

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

D_R8

C Number: C20006B
Lock Date: 06/21/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 1

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Moderate

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 Lab: BAT

ANIMAL NUM: 2

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Mild
Blood Vessel	Inflammation	Chronic Active, Mild
* Harderian Gland	Pigmentation	Porphyrin, Moderate
[Pigmentation TGLs = 6-10]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Moderate
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
* Preputial Gland	Cyst	Mild
[Cyst TGLs = 1-12]		
* Skin	Basal Cell Carcinoma	
	Cyst Epithelial Inclusion	
	Squamous Cell Papilloma	
[Basal Cell Carcinoma TGLs = 3-15]		
[Cyst Epithelial Inclusion TGLs = 2-14]		
[Squamous Cell Papilloma TGLs = 4-16]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Testes	Atrophy	Marked
[Atrophy TGLs = 5-11]		
* Thymus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
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Lab: BAT

ANIMAL NUM: 3

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 634
HISTO: 0900433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 1-15]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

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First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 4

TMT: 1

SEX: Male

DAY ON TEST: 197

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Skin		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-15]		
* Spleen		Inflammation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
		Ulcer	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Skin Fibrous Histiocytoma

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 Lab: BAT

ANIMAL NUM: 5

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLs = 3-14]			
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 2-3+4]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 1-14]			
* Nose		Inflammation	Mild
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Mild
[Adenoma TGLs = 3-14]			
[Hyperplasia TGLs = 3-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 4-8]			

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL NUM: 6

TMT: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 5-5+16]		
* Liver		Eosinophilic Focus	
Lymph Node	Renal	Ectasia	Moderate
	[Ectasia TGLs = 4-16]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Keratoacanthoma	
	Note: Skin, head.		
	[Keratoacanthoma TGLs = 1,2-14+15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Marked
	[Atrophy TGLs = 3-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL NUM: 7

TMT: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 4-5+16]		
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 3-15]	Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3-7+6]		
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
	[Hyperplasia TGLs = 2-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Stomach, Glandular		Necrosis	Minimal
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

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First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 8

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 450
HISTO: 0900438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

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 Lab: BAT

ANIMAL NUM: 9

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 689
 HISTO: 0900439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-5+16]		
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 2-15]	Fibrosis	Minimal
* Prostate		Fibrosis	Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
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Indole-3-carbinol
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Lab: BAT

ANIMAL NUM: 10

TMT: 1

SEX: Male

DAY ON TEST: 631

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Mild
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Marked
* Lung	Inflammation	Minimal
* Nose	Inflammation	Minimal
* Skin	Fibroma	

[Fibroma TGLs = 1-15]

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
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 Lab: BAT

ANIMAL NUM: 11

TMT: 1

SEX: Male

DAY ON TEST: 666

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 3-16]		
* Pancreas	Acinus	Hyperplasia	Mild
* Preputial Gland		Cyst	Mild
	[Cyst TGLs = 1-14]		
* Skin		Fibroma	
	[Fibroma TGLs = 2-15]		
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes		Atrophy	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Skin Fibroma

* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL NUM: 12

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 682
 HISTO: 0900442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-5+16]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Minimal
	Epidermis	Ulcer	Moderate
	Note: Head, inflammation.		
	Note: Appendage, ulcer.		
	[Inflammation TGLs = 1-14]		
	[Ulcer TGLs = 2-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 13

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 438
HISTO: 0900443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Eye	Inflammation	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Mild
* Lung	Inflammation	Mild
* Thymus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 14

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 685
HISTO: 0900444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Complex	
	[Pheochromocytoma Complex TGLs = 3-15]		
	Blood Vessel	Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5+14]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Complex

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 15

TMT: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Moderate
	[Hyperplasia TGLs = 5-17]		
Blood Vessel		Inflammation	Chronic Active, Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Marked
	[Inflammation TGLs = 1-10]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 6,7-5+18]		
* Liver		Necrosis	Minimal
	[Necrosis TGLs = 8-19]		
Mesentery	Artery	Inflammation	Chronic Active, Marked
Note: Aneurysm			
	[Inflammation TGLs = 2,3-14+15]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Adenoma	
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLs = 4-16]		
* Stomach, Forestomach		Hyperplasia	Minimal
		Inflammation	Minimal
* Testes		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 15

TMT: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900445

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLs = 4-16]

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 16

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 599
 HISTO: 0900446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
	[Dilatation TGLs = 2-16]		
	[Inflammation TGLs = 4-17]		
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
	[Mineralization TGLs = 3-00]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 17

TMT: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
	[Nephropathy TGLs = 1-5+14]		
* Liver	Bile Duct	Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach		Hyperplasia	Mild
		Inflammation	Moderate
		Ulcer	Mild
	[Inflammation TGLs = 2-6+15]		
* Stomach, Glandular		Mineralization	Moderate
	[Mineralization TGLs = 3-6+15]		
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 17

TMT: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900447

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 18

TMT: 1

SEX: Male

DAY ON TEST: 635

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye		Inflammation	Mild
	[Inflammation TGLs = 2-10]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Skin		Fibroma	
	[Fibroma TGLs = 1-15]		
* Testes		Adenoma	
	[Adenoma TGLs = 3-12]		
* Thyroid Gland	Interstit Cell	Adenoma	
	C Cell		

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 19

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 575
 HISTO: 0900449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|----------------------|------------------------------|----------------------------------|-------------------------|
| Blood Vessel | | Inflammation | Chronic Active, Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Skin | | Fibroma | |
| | [Fibroma TGLs = 1,2-15+16] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Testes | | Atrophy | Minimal |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 20

TMT: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Hyperplasia	Moderate
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 1-14]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 2-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

Note: Hyperplasia contralateral lobe.

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 21

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 505
 HISTO: 0900451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 1-13]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 2-15]		
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Skin Cyst Epithelial Inclusion

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 22

TMT: 1

SEX: Male

DAY ON TEST: 575

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
	[Inflammation TGLs = 5-10]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-16]		
Lacrimal Gland		Degeneration	Mild
	[Degeneration TGLs = 4-17]		
* Pancreas	Acinus	Hyperplasia	Minimal
	[Hyperplasia TGLs = 2-15]		
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 23

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 645
 HISTO: 0900453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 4-18]		
* Bone		Fibrous Osteodystrophy	Moderate
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLs = 6-00]		
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Inflammation	Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
	[Hemorrhage TGLs = 3-17]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-19]		
* Preputial Gland		Cyst	Mild
	[Cyst TGLs = 2-16]		
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLs = 1-15]		
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 24

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 720
 HISTO: 0900454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
Note: Myeloid			
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Necrosis	Moderate
[Necrosis TGLs = 5-15]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 4-5]			
* Liver	Bile Duct	Hyperplasia	Mild
[Necrosis TGLs = 1-6+7+14]		Necrosis	Moderate
* Lung		Necrosis	Moderate
[Necrosis TGLs = 3-3+4]			
* Nose		Foreign Body	Mild
Oral Mucosa		Inflammation	Moderate
* Prostate		Squamous Cell Carcinoma	
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 24

TMT: 1

SEX: Male

DAY ON TEST: 720

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900454

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Hyperplasia	Minimal
	Necrosis	Marked
[Necrosis TGLs = 6-16]		
* Testes	Atrophy	Minimal
* Thymus	Atrophy	Marked
Tooth	Necrosis	Moderate
[Necrosis TGLs = 2-2]		

PRIMARY CAUSE OF DEATH - Lung Necrosis

CONTRIBUTORY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 25

TMT: 1

SEX: Male

DAY ON TEST: 681

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 26

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 4-8]		
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Moderate
	[Angiectasis TGLs = 3-15]		
	[Clear Cell Focus TGLs = 2-6+7+14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-8]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Minimal
* Thyroid Gland	Bilateral, C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 27

TMT: 1

SEX: Male

DAY ON TEST: 693

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
	Epicardium	Inflammation	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-5+15]		
* Liver		Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	
	Note: Has features of sebaceous adenoma.		
	[Keratoacanthoma TGLs = 2-14]		
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 28

TMT: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1,4-5+14]		
* Lung		Inflammation	Marked
	[Inflammation TGLs = 3-3+4]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
	[Hyperplasia TGLs = 2-9]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 29

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 2-15]		
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Adenoma	Multiple
	[Adenoma TGLs = 1-14]		
* Testes		Atrophy	Mild
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 30

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 685
 HISTO: 0900460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 2,3-5+15]		
* Liver	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-16]		
* Skin		Keratoacanthoma	
	Note: Sebaceous adenoma		
	[Keratoacanthoma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 31

TMT: 1

SEX: Male

DAY ON TEST: 684

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Nose	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Salivary Glands		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Salivary Glands Schwannoma Malignant

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 32

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 188
HISTO: 0900462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 33

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 669
HISTO: 0900463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 34

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0900464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule	TGLs = 2-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Moderate
[Inflammation	TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma	TGLs = 3-16]		
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 35

TMT: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
Lymph Node	Renal	Ectasia	Marked
	[Ectasia TGLs = 1-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 36

TMT: 1

SEX: Male

DAY ON TEST: 421

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Centrilobular [Vacuolization Cytoplasmic TGLs = 3-6+7]	Vacuolization Cytoplasmic	Minimal
* Skin	[Fibrosarcoma TGLs = 1-16]	Fibrosarcoma	
* Spleen	[Hematopoietic Cell Proliferation TGLs = 2-15]	Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Skin Fibrosarcoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 37

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Nose		Foreign Body	Minimal
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 38

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0900468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Pheochromocytoma Benign	
Blood Vessel	Inflammation	Chronic Active, Minimal
* Eye	Inflammation	Minimal
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Moderate
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Eosinophilic Focus	
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Hyperplasia	Minimal
* Testes	Atrophy	Mild
* Thymus	Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 39

TMT: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 2-15]		
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 40

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0900470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 2-8]		
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 3-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-11]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Bilateral, C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 41

TMT: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Angiectasis	Mild
		Pheochromocytoma Benign	
	[Angiectasis TGLs = 2-14]		
	[Pheochromocytoma Benign TGLs = 1-14]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
	[Adenoma TGLs = 3-15]		
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 4-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Marked
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 42

TMT: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Testes		Atrophy	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 1-11]		
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 43

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Epididymis		Atrophy	Minimal
[Atrophy TGLs = 3-14]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 1-5]			
* Lung		Inflammation	Moderate
[Inflammation TGLs = 5-3+4]			
* Lymph Node, Mesenteric		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 2-15]			
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-8]			
* Prostate		Atrophy	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Testes		Atrophy	Mild
Note: One testis.			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 44

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Mild
* Adrenal Medulla	Hyperplasia	Marked
Blood Vessel	Inflammation	Chronic Active, Minimal
* Eye	Inflammation	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Moderate
* Liver	Clear Cell Focus	
* Skin	Fibroma	
	Inflammation	Moderate
[Fibroma TGLs = 2-15]		
[Inflammation TGLs = 1-14]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Atrophy	Minimal
* Thymus	Atrophy	Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 45

TMT: 1

SEX: Male

DAY ON TEST: 539

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 46

TMT: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Mild
* Heart	Cardiomyopathy	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Moderate
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
* Nose	Foreign Body	Minimal
	Inflammation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 47

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 726
HISTO: 0900477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

MISSING

- * Thymus

OBSERVATIONS

- | | | |
|---|------------------------|----------------------|
| Blood Vessel
[Inflammation TGLs = 3-7] | Inflammation | Chronic Active, Mild |
| * Bone | Fibrous Osteodystrophy | Moderate |
| * Eye | Inflammation | Mild |
| * Heart | Cardiomyopathy | Moderate |
| * Kidney
[Nephropathy TGLs = 1,2-5+14] | Nephropathy | Marked |
| * Lung
Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Alveolus | Mineralization | Moderate |
| [Mineralization TGLs = 4-3+4] | | |
| * Stomach, Forestomach
[Hyperplasia TGLs = 5-15] | Hyperplasia | Moderate |
| * Testes | Atrophy | Minimal |
| * Thyroid Gland
C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 48

TMT: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-14]		
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 49

TMT: 1
DOSE: 0 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 485
HISTO: 0900479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
[Hyperplasia TGLs = 1-16]			
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
[Fibrous Osteodystrophy TGLs = 6-1+2]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 3-5]			
Lymph Node	Renal	Hemorrhage	Moderate
[Hemorrhage TGLs = 2-17]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 5-15]			
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Marked
* Thymus		Atrophy	Minimal
* Thyroid Gland		Thrombosis	Mild
[Thrombosis TGLs = 4-8]			

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 50

TMT: 1
 DOSE: 0 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 444
 HISTO: 0900480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Erosion	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 51

TMT: 3

SEX: Male

DAY ON TEST: 692

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Lymph Node, Mandibular		Ectasia	Moderate
	[Ectasia TGLs = 1-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Metaplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Schwannoma Malignant

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 52

TMT: 3

SEX: Male

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung	Bile Duct	Hyperplasia	Minimal
[Squamous Cell Carcinoma	TGLs = 1-14]	Squamous Cell Carcinoma	
* Pancreas	Acinus	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 53

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 637
 HISTO: 0900483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Spleen | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|------------------------------|---------------|-----------------------|--------------------------|
| Blood Vessel | | Inflammation | Chronic Active, Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLs = 2-16] | | | |
| * Kidney | | Nephropathy | Moderate |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Deep Cervical | Hyperplasia | Plasma Cell, Moderate |
| | Deep Cervical | Inflammation | Marked |
| [Hyperplasia TGLs = 4-18] | | | |
| [Inflammation TGLs = 3-17] | | | |
| * Nose | | Foreign Body | Minimal |
| * Prostate | | Fibrosis | Mild |
| * Skin | | Fibroma | |
| [Fibroma TGLs = 1-15] | | | |
| Spinal Cord | | Degeneration | Moderate |
| Note: Lumbar spinal cord | | | |
| * Stomach, Forestomach | | Hyperplasia | Mild |
| * Testes | | Atrophy | Minimal |
| * Thyroid Gland | C Cell | Hyperplasia | Marked |

PRIMARY CAUSE OF DEATH - Skin Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 54

TMT: 3

SEX: Male

DAY ON TEST: 382

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Spleen | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|------------------------|------------------------------|----------------|----------|
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2-16] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Skin | | Sarcoma | |
| | [Sarcoma TGLs = 1-15] | | |
| * Stomach, Forestomach | | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 55

TMT: 3

SEX: Male

DAY ON TEST: 441

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
	Mesothelioma Malignant	
* Bone Marrow	Hyperplasia	Mild
* Brain	Gliosis	Minimal
* Epididymis	Mesothelioma Malignant	
* Intestine Large, Rectum	Mesothelioma Malignant	
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
* Lung	Inflammation	Minimal
* Mammary Gland	Mesothelioma Malignant	
Mesentery	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 1-15]	
* Pancreas	Mesothelioma Malignant	
* Prostate	Mesothelioma Malignant	
* Seminal Vesicle	Mesothelioma Malignant	
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Mesothelioma Malignant	
* Stomach, Forestomach	Hyperplasia	Mild
* Stomach, Glandular	Inflammation	Moderate
* Testes	Mesothelioma Malignant	
* Thymus	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 55

TMT: 3

SEX: Male

DAY ON TEST: 441

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900485

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 56

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 57

TMT: 3

SEX: Male

DAY ON TEST: 689

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5+14]		
* Lung		Inflammation	Moderate
	Note: Aspiration pneumonia Dosing accident		
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-15]		
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 58

TMT: 3

SEX: Male

DAY ON TEST: 680

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
	[Inflammation TGLs = 1-14]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 2-5]		
* Nose		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 4-16]		
* Stomach, Forestomach		Hyperplasia	Minimal
* Stomach, Glandular		Ulcer	Minimal
	[Ulcer TGLs = 3-15]		
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 59

TMT: 3

SEX: Male

DAY ON TEST: 569

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|--------------------------------|----------------------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Mild |
| | | Thrombosis | Mild |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Eye | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 1, 2-15] | | |
| * Lung | | Inflammation | Moderate |
| | [Inflammation TGLs = 4-3+4] | | |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| * Skin | | Inflammation | Moderate |
| | [Inflammation TGLs = 5-16] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Testes | | Atrophy | Minimal |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 60

TMT: 3

SEX: Male

DAY ON TEST: 357

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain	Astrocytoma Malignant	
[Astrocytoma Malignant TGLs = 2-15]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Stomach, Forestomach	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Brain Astrocytoma Malignant

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 61

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 695
 HISTO: 0900491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------|----------------------------------|--------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| Blood Vessel | | Inflammation | Chronic Active, Moderate |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Eye | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 1-5+14] | | |
| * Lung | | Inflammation | Moderate |
| Lymph Node | Renal | Hemorrhage | Moderate |
| | [Hemorrhage TGLs = 2-15] | | |
| * Nose | | Foreign Body | Minimal |
| | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3-16] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Testes | | Atrophy | Moderate |
| * Thymus | | Thymoma Benign | |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 62

TMT: 3

SEX: Male

DAY ON TEST: 617

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
Blood Vessel		Inflammation	Chronic Active, Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-16]			
* Prostate		Inflammation	Moderate
[Inflammation TGLs = 1-15]			
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 63

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0900493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 64

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0900494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Minimal
	Hyperplasia	Moderate
* Adrenal Medulla	Hyperplasia	Moderate
Blood Vessel	Inflammation	Chronic Active, Minimal
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Atrophy	Minimal

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 65

TMT: 3

SEX: Male

DAY ON TEST: 728

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Minimal
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 66

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 671
 HISTO: 0900496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
[Hyperplasia TGLs = 8-21]			
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Marked
[Cardiomyopathy TGLs = 6-00]			
[Thrombosis TGLs = 5-00]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 7-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
[Necrosis TGLs = 9-6+7+22]			
* Lung		Inflammation	Moderate
[Inflammation TGLs = 11-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Bronchial	Hemorrhage	Moderate
	Renal	Hemorrhage	Moderate
[Hemorrhage TGLs = 2-18]			
[Hemorrhage TGLs = 3-19]			
[Hemorrhage TGLs = 4-20]			
* Pancreas	Acinus	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 66

TMT: 3

SEX: Male

DAY ON TEST: 671

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900496

ORGAN AND ACCOUNTABLE SITE STATUS

Acinus	Hyperplasia	Minimal
[Adenoma TGLs = 10,12-23+24]		
Spinal Cord	Degeneration	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Hyperplasia	Marked
[Hyperplasia TGLs = 13-25+6]		
* Testes	Adenoma	
[Adenoma TGLs = 1-11]		

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 67

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 648
 HISTO: 0900497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Malignant	
Note: Contralateral gland.			
	[Pheochromocytoma Malignant TGLs = 5-16]		
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Moderate
	[Cardiomyopathy TGLs = 6-00]		
	[Thrombosis TGLs = 7-00]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 4-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Hyperplasia	Minimal
	[Adenoma TGLs = 8-17]		
* Skin	Sebaceous GI	Adenoma	
		Cyst Epithelial Inclusion	
	[Adenoma TGLs = 2-15]		
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 67

TMT: 3

SEX: Male

DAY ON TEST: 648

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900497

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 68

TMT: 3

SEX: Male

DAY ON TEST: 454

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel	Inflammation	Chronic Active, Mild
* Bone	Fibrous Osteodystrophy	Moderate
* Eye	Inflammation	Moderate
[Inflammation TGLs = 1-10]		
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Marked
[Nephropathy TGLs = 2,3-5+15]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 69

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0900499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|-------------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| Note: Bilateral | | | |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLs = 1,2-5+14] | | | |
| * Liver | | Clear Cell Focus | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Pancreas | Acinus | Adenoma | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Testes | | Atrophy | Mild |
| * Thyroid Gland | C Cell | Adenoma | |

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 70

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 571
HISTO: 0900500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Mild
* Brain		Meningioma Malignant	
	[Meningioma Malignant TGLs = 1-14]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5]		
* Liver		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Brain Meningioma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 71

TMT: 3

SEX: Male

DAY ON TEST: 703

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Degeneration	Fatty, Minimal
		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
	[Inflammation TGLs = 2-10]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5+14]		
* Liver		Eosinophilic Focus	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes		Atrophy	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 72

TMT: 3

SEX: Male

DAY ON TEST: 650

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Carcinoma TGLs = 1-8]	Carcinoma	
Blood Vessel	Inflammation	Chronic Active, Mild
* Bone	Fibrous Osteodystrophy	Moderate
* Brain	Gliosis	Minimal
* Eye [Inflammation TGLs = 4-10]	Inflammation	Moderate
* Heart [Cardiomyopathy TGLs = 3-00]	Cardiomyopathy	Moderate
* Kidney [Nephropathy TGLs = 2-5]	Nephropathy	Marked
* Lung	Inflammation	Mild
	Inflammation	Minimal
* Nose	Foreign Body	Minimal
	Inflammation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Hyperplasia	Minimal
* Testes	Atrophy	Moderate
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Adrenal Cortex Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 73

TMT: 3

SEX: Male

DAY ON TEST: 191

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Mild
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Islets, Pancreatic Hyperplasia

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 74

TMT: 3

SEX: Male

DAY ON TEST: 559

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
Blood Vessel		Inflammation	Chronic Active, Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 3-15]		
* Lung		Inflammation	Mild
		Inflammation	Minimal
	Alveolus	Mineralization	Mild
	[Mineralization TGLs = 5-3+4]		
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-16]		
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 74

TMT: 3

SEX: Male

DAY ON TEST: 559

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900504

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 75

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 602
 HISTO: 0900505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------|---------------------------------|------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| | [Mineralization TGLs = 3-7] | Mineralization | Moderate |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Eye | | Inflammation | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 1,5-14] | | |
| * Lung | | Inflammation | Minimal |
| | Alveolus | Mineralization | Moderate |
| | [Mineralization TGLs = 2-3+4] | | |
| * Nose | | Foreign Body | Minimal |
| | | Inflammation | Minimal |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Prostate | | Atrophy | Mild |
| * Testes | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 76

TMT: 3

SEX: Male

DAY ON TEST: 637

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Adrenal Cortex	* Adrenal Medulla
------------------	-------------------

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Moderate
	[Inflammation TGLs = 5-10]		
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4-5]		
* Lung		Inflammation	Moderate
Lymph Node	Mediastinal	Ectasia	Moderate
	Pancreatic	Hemorrhage	Mild
	[Ectasia TGLs = 8-17]		
	[Hemorrhage TGLs = 3-16]		
* Pancreas	Acinus	Hyperplasia	Moderate
* Skin		Basal Cell Carcinoma	
		Necrosis	Marked
	[Basal Cell Carcinoma TGLs = 1-14]		
	[Necrosis TGLs = 2-15]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 76

TMT: 3

SEX: Male

DAY ON TEST: 637

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900506

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

[Hyperplasia TGLs = 9-8]

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 77

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 617
HISTO: 0900507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------|--|----------------------------------|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Eye | | Inflammation | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 2,3-5+14] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 1-3+4] | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Glandular | | Hyperplasia | Moderate |
| * Testes | | Atrophy | Mild |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 78

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 623
HISTO: 0900508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	

Note: Looks like thyroid carcinoma but autolysis hinders interpretation.

[Carcinoma TGLs = 1-14]

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 79

TMT: 3

SEX: Male

DAY ON TEST: 516

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex Note: With possible arising carcinoma.		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 80

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLs = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 81

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3,4-3+4]		
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Hyperplasia	Minimal
	[Adenoma TGLs = 1,2-14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Stomach, Glandular		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 82

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0900512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	[Cholangiocarcinoma TGLs = 2-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes		Atrophy	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 83

TMT: 3

SEX: Male

DAY ON TEST: 448

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | |
|--|----------------------------------|----------------------|
| * Adrenal Medulla | Hyperplasia | Minimal |
| Blood Vessel | Inflammation | Chronic Active, Mild |
| * Bone Marrow | Hyperplasia | Mild |
| * Heart | Cardiomyopathy | Moderate |
| * Kidney | Nephropathy | Moderate |
| * Liver | Clear Cell Focus | |
| * Skin | Fibrosarcoma | |
| | Inflammation | Moderate |
| | Necrosis | Moderate |
| Note: Face: Epithelial cyst.
[Fibrosarcoma TGLs = 1-14]
[Inflammation TGLs = 2-15] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Thymus | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Skin Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 84

TMT: 3

SEX: Male

DAY ON TEST: 616

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------|----------------------------------|--------------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Minimal |
| | | Hyperplasia | Mild |
| Blood Vessel | | Inflammation | Chronic Active, Moderate |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Lung | | Inflammation | Minimal |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Marked |
| [Hyperplasia TGLs = 1-14] | | | |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Forestomach | | Hyperplasia | Mild |
| * Testes | | Atrophy | Moderate |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 85

TMT: 3
DOSE: 75 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 456
HISTO: 0900515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Carcinoma	
Note: Adenocarcinoma		
[Carcinoma TGLs = 2-15]		
* Kidney	Nephropathy	Moderate
* Skin	Fibroma	
[Fibroma TGLs = 1-14]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Hyperplasia	Moderate
	Ulcer	Moderate
[Hyperplasia TGLs = 3-6+16]		
* Thymus	Atrophy	Marked
* Thyroid Gland	C Cell Adenoma	

PRIMARY CAUSE OF DEATH - Intestine Small, Duodenum Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 86

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 505
 HISTO: 0900516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------------------------|------------------------|----------------------|
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Eye | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Large, Cecum | | Necrosis | Marked |
| | [Necrosis TGLs = 4-16] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 1,2-5+14] | | |
| Lacrimal Gland | | Degeneration | Moderate |
| | [Degeneration TGLs = 3-15] | | |
| Mesentery | Artery | Mineralization | Mild |
| | [Mineralization TGLs = 5-17] | | |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Glandular | | Mineralization | Moderate |
| | [Mineralization TGLs = 6-6+18] | | |
| * Testes | | Atrophy | Moderate |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 87

TMT: 3

SEX: Male

DAY ON TEST: 655

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 2-14]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Necrosis	Minimal
* Nose		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 88

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 533
 HISTO: 0900518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1,3-14+5]		
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLs = 2-15]		
	[Hemorrhage TGLs = 7-16]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Stomach, Glandular		Mineralization	Mild
	[Mineralization TGLs = 6-6]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 89

TMT: 3

SEX: Male

DAY ON TEST: 651

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 1,2-5+14]			
* Stomach, Glandular		Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
[Atrophy TGLs = 5-3]			

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 90

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 597
 HISTO: 0900520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 4-16]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 3-15]		
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Skin		Fibroma	
	[Fibroma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Marked
	[Atrophy TGLs = 2-11]		

PRIMARY CAUSE OF DEATH - Skin Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 91

TMT: 3

SEX: Male

DAY ON TEST: 728

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Moderate
* Intestine Large, Cecum		Lipoma	
[Lipoma TGLs = 4-16]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Nose		Foreign Body	Mild
		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-15]			
* Skin		Sarcoma	
[Sarcoma TGLs = 3-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 2-11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 92

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 489
 HISTO: 0900522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Esophagus	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
	[Inflammation TGLs = 1-14]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Nose		Inflammation	Moderate
* Pancreas	Acinus	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Nose Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 93

TMT: 3

SEX: Male

DAY ON TEST: 661

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|------------------------|------------------------------|------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Eye | | Inflammation | Marked |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 1-5] | | |
| * Liver | | Bile Duct | Hyperplasia |
| | | Artery | Inflammation |
| | [Inflammation TGLs = 2-14] | | Minimal |
| * Lung | | Inflammation | Chronic Active, Minimal |
| Lymph Node | | Deep Cervical | Inflammation |
| | [Hemorrhage TGLs = 3-15] | | Mild |
| * Nose | | Foreign Body | Moderate |
| * Parathyroid Gland | | Hyperplasia | Minimal |
| * Pituitary Gland | | Adenoma | Moderate |
| | [Adenoma TGLs = 4-16] | | |
| * Prostate | | Hyperplasia | Mild |
| * Stomach, Forestomach | | Hyperplasia | Minimal |
| * Testes | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 93

TMT: 3

SEX: Male

DAY ON TEST: 661

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900523

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 94

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 679
 HISTO: 0900524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
		Mineralization	Moderate
	[Mineralization TGLs = 2-14]		
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 95

TMT: 3

SEX: Male

DAY ON TEST: 582

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Marked
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 96

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 685
 HISTO: 0900526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Moderate
	[Inflammation TGLs = 3-15]		
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung		Inflammation	Moderate
* Nose		Inflammation	Minimal
* Pancreas		Thrombosis	Moderate
	[Thrombosis TGLs = 2-14]		
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pancreas Thrombosis
 CONTRIBUTORY CAUSE OF DEATH - Blood Vessel Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 97

TMT: 3
 DOSE: 75 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 98

TMT: 3

SEX: Male

DAY ON TEST: 614

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5]		
* Liver		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLs = 1-14]		
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 99

TMT: 3

SEX: Male

DAY ON TEST: 728

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Marked
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 1,2-6+7+14+15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 100

TMT: 3

SEX: Male

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
Lacrimal Gland		Degeneration	Moderate
[Degeneration TGLs = 1-14]			
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 101

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 693
HISTO: 0900531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Sarcoma	
[Sarcoma TGLs = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mesentery Fat Sarcoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 102

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0900532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-8]			
* Skin		Fibroma	
[Fibroma TGLs = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 103

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 587
 HISTO: 0900533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
	[Cardiomyopathy TGLs = 3,4-00]		
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 2-5]		
Lacrimal Gland		Degeneration	Moderate
	[Degeneration TGLs = 6-16]		
* Lung		Inflammation	Mild
	[Inflammation TGLs = 5-3+4]		
* Mammary Gland		Fibrosis	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Prostate		Fibrosis	Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-15]		
* Stomach, Forestomach		Hyperplasia	Moderate
* Stomach, Glandular		Amyloid Deposition	Moderate
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 103

TMT: 5

SEX: Male

DAY ON TEST: 587

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900533

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 104

TMT: 5

SEX: Male

DAY ON TEST: 709

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 2-5+15]			
Lacrimal Gland		Degeneration	Mild
[Degeneration TGLs = 1-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 105

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
Ear	External Ear	Hyperplasia	Squamous, Moderate
	[Hyperplasia TGLs = 2-15]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Pancreas	Acinus	Hyperplasia	Moderate
	[Hyperplasia TGLs = 4-17]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 3-16]		
* Skin		Fibroma	
	[Fibroma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 106

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 500
HISTO: 0900536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Fibroma	
	[Fibroma TGLs = 1-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Skin Fibroma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 107

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 657
 HISTO: 0900537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|------------------------|--|----------------------------------|--------------------------|
| * Adrenal Cortex | | Hyperplasia | Marked |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 3-15] | | |
| Blood Vessel | | Inflammation | Chronic Active, Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| | [Nephropathy TGLs = 4-5] | | |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Note: One focus of bileduct dysplasia. | | |
| | [Hyperplasia TGLs = 2-6+7+14] | | |
| * Lung | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Cyst | Moderate |
| | [Cyst TGLs = 1-12] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Forestomach | | Inflammation | Minimal |
| * Testes | | Atrophy | Moderate |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 108

TMT: 5

SEX: Male

DAY ON TEST: 594

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Eye	* Harderian Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 1-15]			
* Stomach, Forestomach		Hyperplasia	Moderate
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLs = 2-16]			

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 109

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 503
 HISTO: 0900539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-15]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLs = 2-3+4]	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 110

TMT: 5

SEX: Male

DAY ON TEST: 624

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Moderate
Note: Inflammation leading to rupture and hemorrhage.			
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4-5+17]		
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 5-21]		
* Preputial Gland		Cyst	Marked
	[Cyst TGLs = 1-15]		
* Skin		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-16]		
* Stomach, Forestomach		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 9-20]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-12]		
* Thymus		Atrophy	Mild
		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 110

TMT: 5

SEX: Male

DAY ON TEST: 624

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900540

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Probably due to a ruptured aneurysm.

[Hemorrhage TGLs = 7,8-18+19]

PRIMARY CAUSE OF DEATH - Blood Vessel Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 111

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 713
 HISTO: 0900541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign	TGLs = 8,9-8]		
Blood Vessel		Inflammation	Chronic Active, Marked
[Inflammation	TGLs = 11,12-17+18]		
* Eye		Inflammation	Moderate
[Inflammation	TGLs = 10-10]		
* Heart	Atrium	Cardiomyopathy	Moderate
[Thrombosis	TGLs = 3-00]	Thrombosis	Marked
* Kidney		Nephropathy	Marked
[Nephropathy	TGLs = 5-5]		
* Liver		Cholangiocarcinoma	
[Cholangiocarcinoma	TGLs = 7-16]	Clear Cell Focus	
[Clear Cell Focus	TGLs = 6-6+7]		
* Lung		Inflammation	Moderate
Note: Hematoma		Inflammation	Moderate
[Inflammation	TGLs = 4-15]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
Note: Lymphoid atrophy.			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 111

TMT: 5

SEX: Male

DAY ON TEST: 713

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900541

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLs = 2-14]

* Pancreas	Acinus	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 112

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
Blood Vessel		Inflammation	Chronic Active, Moderate
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5+15]		
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Skin		Fibroma	
	[Fibroma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 113

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Pancreas		Mixed Tumor Malignant	
[Mixed Tumor Malignant	TGLs = 1-6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Moderate
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 114

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 486
HISTO: 0900544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|----------------------------------|---------------------|
| * Heart | | Cardiomyopathy | Mild |
| | Pericardium | Inflammation | Moderate |
| | Note: Pericardial inflammation with fat necrosis. | | |
| | [Inflammation TGLs = 7-00] | | |
| * Intestine Small, Duodenum | Lymphatic | Ectasia | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Cholangiocarcinoma | |
| | Bile Duct | Degeneration | Cystic, Moderate |
| | | Fibrosis | Moderate |
| | [Cholangiocarcinoma TGLs = 4-15] | | |
| | [Degeneration TGLs = 5-16] | | |
| | [Fibrosis TGLs = 3-6+7] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | [Hemorrhage TGLs = 6-17] | | |
| * Lymph Node, Mandibular | | Hemorrhage | Moderate |
| | [Hemorrhage TGLs = 1-9] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Heart Pericardium Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 115

TMT: 5

SEX: Male

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 116

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Preputial Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
* Pancreas	Acinus	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 117

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 709
 HISTO: 0900547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Degeneration	Cystic, Mild
		Hemorrhage	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4-5+17]		
* Liver	Bile Duct	Cyst	Multiple, Mild
		Eosinophilic Focus	
		Necrosis	Minimal
	[Cyst TGLs = 8,9-20+21]		
	[Eosinophilic Focus TGLs = 7-19]		
* Lung		Hemorrhage	Mild
	[Hemorrhage TGLs = 6-3+4]		
Lymph Node	Lumbar	Hemorrhage	Moderate
	Bronchial	Hemorrhage	Moderate
	[Hemorrhage TGLs = 2-15]		
	[Hemorrhage TGLs = 3-16]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 117

TMT: 5

SEX: Male

DAY ON TEST: 709

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900547

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-14]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	[Adenoma TGLs = 5-18]		

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 118

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 1-14]			
* Liver		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 119

TMT: 5

SEX: Male

DAY ON TEST: 616

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
	[Inflammation TGLs = 1-10]		
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4-5+15]		
* Liver		Necrosis	Moderate
* Lung		Hemorrhage	Moderate
	[Hemorrhage TGLs = 6,7-3+4]	Inflammation	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibroma	
	[Fibroma TGLs = 2-16]		
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes		Atrophy	Mild
	[Atrophy TGLs = 5-12]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 119

TMT: 5

SEX: Male

DAY ON TEST: 616

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900549

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 120

TMT: 5

SEX: Male

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 1-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 121

TMT: 5

SEX: Male

DAY ON TEST: 423

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]		
* Skin		Fibrosarcoma	
	[Fibrosarcoma TGLs = 2-15]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Necrosis	Moderate
	[Hematopoietic Cell Proliferation TGLs = 1-5]		

PRIMARY CAUSE OF DEATH - Skin Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Necrosis

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 122

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 123

TMT: 5

SEX: Male

DAY ON TEST: 367

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone [Fracture TGLs = 3-16]	Maxilla	Fracture	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Moderate
		Inflammation	Moderate
* Seminal Vesicle [Hypoplasia TGLs = 1-14]		Hypoplasia	Mild
* Stomach, Forestomach [Ulcer TGLs = 4-15]		Hyperplasia	Mild
		Ulcer	Moderate
* Thymus		Atrophy	Moderate
Tooth [Malformation TGLs = 2-1+2]		Malformation	Moderate

PRIMARY CAUSE OF DEATH - Bone Maxilla Fracture

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 124

TMT: 5

SEX: Male

DAY ON TEST: 570

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
	[Inflammation TGLs = 1-15]		
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Necrosis	Minimal
* Nose		Foreign Body	Mild
		Inflammation	Moderate
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-16]		
* Parathyroid Gland		Hyperplasia	Mild
* Stomach, Forestomach		Erosion	Minimal
		Hyperplasia	Mild
		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 125

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 706
 HISTO: 0900555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
	[Inflammation TGLs = 1-10]		
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4,5,6-5+17]		
* Liver	Bile Duct	Cyst	Mild
	Bile Duct	Hyperplasia	Minimal
	[Cyst TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
Lymph Node	Lumbar	Hemorrhage	Moderate
	[Hemorrhage TGLs = 3-15]		
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 8-18]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-16]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 125

TMT: 5

SEX: Male

DAY ON TEST: 706

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900555

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 126

TMT: 5

SEX: Male

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Moderate
	[Adenoma TGLs = 4-17]		
	[Hyperplasia TGLs = 2,3,5,6-15+16+18+19]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 127

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLs = 3-16]		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
Lacrimal Gland [Degeneration TGLs = 2-15]		Degeneration	Moderate
* Liver [Hepatodiaphragmatic Nodule TGLs = 1-14]		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
* Lung Alveolus		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland Pars Distalis		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 128

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 482
 HISTO: 0900558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 129

TMT: 5

SEX: Male

DAY ON TEST: 593

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Pheochromocytoma Benign	
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Moderate
[Nephropathy TGLs = 3-5]		
Lacrimal Gland	Degeneration	Mild
[Degeneration TGLs = 1-15]		
* Lung	Inflammation	Moderate
Note: Foreign material. Aspiration pneumonia		
* Nose	Foreign Body	Minimal

PRIMARY CAUSE OF DEATH - Lung Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 130

TMT: 5

SEX: Male

DAY ON TEST: 728

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 131

TMT: 5

SEX: Male

DAY ON TEST: 558

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Fibrous Osteodystrophy	Moderate
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Marked
[Nephropathy TGLs = 1-5]		
* Liver	Necrosis	Moderate
* Lung	Inflammation	Moderate
* Stomach, Forestomach	Inflammation	Mild
* Testes	Atrophy	Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 132

TMT: 5

SEX: Male

DAY ON TEST: 583

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 133

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 623
HISTO: 0900563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
Lymph Node	Iliac	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular	TGLs = 1-15]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes		Atrophy	Mild
* Thyroid Gland		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy
 CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 134

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 499
 HISTO: 0900564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|-----------------------------|------------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Mild |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 1-5] | | |
| * Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | | Inflammation | Moderate |
| | [Hemorrhage TGLs = 3-3+4] | | |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | [Hemorrhage TGLs = 2-15] | | |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Testes | | Atrophy | Minimal |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 135

TMT: 5

SEX: Male

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 6-3]		
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 4-17]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 2,3-15+16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-18]		
* Stomach, Glandular		Hyperplasia	Mild
* Testes		Atrophy	Minimal
		Pigmentation	Hemosiderin, Minimal
	[Pigmentation TGLs = 1-14]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 136

TMT: 5

SEX: Male

DAY ON TEST: 690

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 137

TMT: 5

SEX: Male

DAY ON TEST: 664

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLs = 2-8]	Degeneration	Fatty, Minimal
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Marked
* Liver	Clear Cell Focus	
* Lung [Inflammation TGLs = 1-3+4]	Inflammation	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Hyperplasia	Moderate
* Testes	Atrophy	Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 138

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 468
HISTO: 0900568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Mild
* Adrenal Medulla	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 139

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 546
 HISTO: 0900569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Mild
Blood Vessel	Mineralization	Moderate
[Mineralization TGLs = 1,4-15 +18]		
* Bone	Fibrous Osteodystrophy	Marked
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Marked
[Nephropathy TGLs = 2-16]		
* Lung	Inflammation	Moderate
* Parathyroid Gland	Hyperplasia	Mild
* Stomach, Forestomach	Inflammation	Minimal
* Stomach, Glandular	Mineralization	Moderate
[Mineralization TGLs = 3-17]		
* Testes	Atrophy	Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 140

TMT: 5

SEX: Male

DAY ON TEST: 697

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
	[Hyperplasia TGLs = 1-14]		
* Lung		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 141

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 549
 HISTO: 0900571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Medulloblastoma Mal	
	[Medulloblastoma Mal TGLs = 5-9]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 2-5+16]		
* Liver		Cholangiocarcinoma	
	[Cholangiocarcinoma TGLs = 1-15]		
* Lung		Inflammation	Minimal
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Brain Medulloblastoma Mal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 142

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|----------|-----------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Eye | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLs = 2-14] | | | |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 1-5] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Stomach, Forestomach | | Hyperplasia | Mild |
| * Stomach, Glandular | | Hyperplasia | Moderate |
| * Testes | | Atrophy | Mild |
| * Thymus | | Atrophy | Moderate |

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 143

TMT: 5

SEX: Male

DAY ON TEST: 711

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 1-5+18]		
* Liver		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-19]		
Spinal Cord		Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 144

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel		Inflammation	Chronic Active, Moderate
[Inflammation TGLs = 2-15]			
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Marked
* Liver		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 1-14]			

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 145

TMT: 5
DOSE: 150 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 531
HISTO: 0900575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Dilatation	Moderate
		Nephropathy	Marked
	[Dilatation TGLs = 4-16]		
	[Nephropathy TGLs = 3-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolus	Mineralization	Moderate
	[Mineralization TGLs = 2-3+4]		
Lymph Node	Mediastinal	Ectasia	Moderate
	[Ectasia TGLs = 1-15]		
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 146

TMT: 5

SEX: Male

DAY ON TEST: 666

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Mild
	[Inflammation TGLs = 2,3-3+4]		
* Lymph Node, Mandibular		Ectasia	Moderate
	[Ectasia TGLs = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 147

TMT: 5

SEX: Male

DAY ON TEST: 712

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Intestine Large, Cecum		Cardiomyopathy	Moderate
* Kidney		Lymphoma Malignant	
		Lymphoma Malignant	
* Liver		Nephropathy	Moderate
* Lung	Alveolus	Lymphoma Malignant	
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Renal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-15]	Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-4]		
* Stomach, Forestomach		Hyperplasia	Moderate
* Testes		Atrophy	Mild
* Urinary Bladder		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 147

TMT: 5

SEX: Male

DAY ON TEST: 712

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900577

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Lymph Node Renal Lymphoma Malignant

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 148

TMT: 5

SEX: Male

DAY ON TEST: 611

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLs = 3-00]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Liver		Necrosis	Mild
	[Necrosis TGLs = 2-15]		
* Lung		Edema	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Parathyroid Gland		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 149

TMT: 5
 DOSE: 150 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|--|--|----------------------|
| * Adrenal Medulla | | Hyperplasia
Pheochromocytoma Benign | Minimal |
| | [Pheochromocytoma Benign TGLs = 1-8] | | |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| * Lung | | Inflammation | Mild |
| * Nose | | Foreign Body
Inflammation | Minimal
Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | | Hyperplasia | Moderate |
| * Testes | | Atrophy | Mild |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 150

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
* Pancreas	Acinus	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Moderate
* Trachea		Inflammation	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 151

TMT: 7

SEX: Male

DAY ON TEST: 673

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-5]		
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 2-14]		
* Lung		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 152

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Salivary Glands		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 153

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 629
 HISTO: 0900583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Brain		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 6-9]		
* Eye		Inflammation	Mild
	[Inflammation TGLs = 2-10]		
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-16]		
* Nose		Foreign Body	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLs = 5-17]		
* Skin		Squamous Cell Papilloma	
	Note: Head mass.		
	[Squamous Cell Papilloma TGLs = 1-15]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 153

TMT: 7

SEX: Male

DAY ON TEST: 629

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900583

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 154

TMT: 7

SEX: Male

DAY ON TEST: 477

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy Carcinoma	Moderate
Note: Contralateral adrenal atrophy. [Carcinoma TGLs = 2-15]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 1-5]			
* Liver		Necrosis	Minimal
* Lung		Carcinoma	Metastatic (Adrenal Cortex)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Adrenal Cortex Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 155

TMT: 7

SEX: Male

DAY ON TEST: 575

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Moderate
* Harderian Gland		Angiectasis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung		Alveolus	Infiltration Cellular
		Pancreatic	Hemorrhage
	[Hemorrhage TGLs = 2-15]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Stomach, Glandular		Hyperplasia	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 156

TMT: 7

SEX: Male

DAY ON TEST: 498

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 1-5]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 2-15]			
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 157

TMT: 7

SEX: Male

DAY ON TEST: 597

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLs = 2-16]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 158

TMT: 7

SEX: Male

DAY ON TEST: 615

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	
* Kidney		Nephropathy	Moderate
Lymph Node	Mediastinal	Infiltration Cellular	Lipocyte, Moderate
[Infiltration Cellular TGLs = 3-17]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 4-18]			
* Pancreas	Acinus	Hyperplasia	Minimal
* Preputial Gland		Cyst	Moderate
[Cyst TGLs = 2-16]			
* Skin		Fibroma	
[Fibroma TGLs = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 159

TMT: 7

SEX: Male

DAY ON TEST: 617

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 2-15]		

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 160

TMT: 7

SEX: Male

DAY ON TEST: 589

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------------|--------------------------|--------------------------|--------------------------|
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Preputial Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|-----------|------------------------|--------------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| Blood Vessel | | Inflammation | Chronic Active, Moderate |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | | Fibrosis | Minimal |
| * Intestine Small, Duodenum | Lymphatic | Ectasia | Mild |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Moderate |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 1,2-15] | | | |
| * Liver | | Carcinoma | Metastatic (Pancreas) |
| | Bile Duct | Hyperplasia | Minimal |
| | Oval Cell | Hyperplasia | Minimal |
| Note: TGL7-17 = Bile duct hyperplasia. | | | |
| [Hyperplasia TGLs = 7-17] | | | |
| * Lung | | Inflammation | Mild |
| | | Mineralization | Marked |
| [Mineralization TGLs = 8-3] | | | |
| * Nose | | Foreign Body | Mild |
| | | Inflammation | Mild |
| * Pancreas | | Carcinoma | |
| [Carcinoma TGLs = 6-16] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 160

TMT: 7

SEX: Male

DAY ON TEST: 589

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900590

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Moderate
	[Inflammation TGLs = 3-14]		
* Seminal Vesicle		Inflammation	Marked
	[Inflammation TGLs = 4-14]		
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pancreas Carcinoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 161

TMT: 7
DOSE: 300 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0900591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 162

TMT: 7
DOSE: 300 mg/kg

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0900592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------------|----------------------------------|----------------------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Minimal |
| * Adrenal Medulla | | Hyperplasia | Mild |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Minimal |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 3,4-5+16] | | |
| * Liver | | Eosinophilic Focus | |
| | [Mixed Cell Focus TGLs = 6-17] | Mixed Cell Focus | |
| * Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | [Hemorrhage TGLs = 7-3+4] | Inflammation | Mild |
| * Nose | | Foreign Body | Minimal |
| | | Inflammation | Minimal |
| * Skin | | Inflammation | Marked |
| | [Inflammation TGLs = 1-14] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | | Hyperplasia | Moderate |
| * Testes | | Atrophy | Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 162

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900592

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
Tongue

C Cell

Adenoma
Squamous Cell Papilloma

[Squamous Cell Papilloma TGLs = 2-15]

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 163

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 164

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0900594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 3-8]		
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4-5+14]		
* Liver	Bile Duct	Cyst	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 5-3]	Inflammation	Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Marked
	[Hyperplasia TGLs = 1,2-14+15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
* Stomach, Glandular		Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 165

TMT: 7

SEX: Male

DAY ON TEST: 640

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------|--------------------------------|------------------------|----------------------|
| * Adrenal Cortex | | Necrosis | Mild |
| Blood Vessel | | Mineralization | Moderate |
| | [Mineralization TGLs = 1-15] | | |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Eye | | Inflammation | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| | [Cardiomyopathy TGLs = 2-11] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 3-5] | | |
| * Liver | | Necrosis | Moderate |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | | Inflammation | Mild |
| * Parathyroid Gland | | Hyperplasia | Marked |
| | [Hyperplasia TGLs = 4-16] | | |
| * Testes | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 166

TMT: 7

SEX: Male

DAY ON TEST: 412

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Lymphoma Malignant	
* Heart		Cardiomyopathy	Moderate
		Mineralization	Moderate
	[Mineralization TGLs = 3-11]		
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung		Lymphoma Malignant	
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate
	[Atrophy TGLs = 2-3]		

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Hyperplasia
 - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 167

TMT: 7

SEX: Male

DAY ON TEST: 658

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

Blood Vessel	Inflammation	Chronic Active, Mild
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Moderate
* Lymph Node, Mesenteric	Hemangiosarcoma	
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Hyperplasia	Mild
* Testes	Atrophy	Minimal
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 168

TMT: 7

SEX: Male

DAY ON TEST: 306

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Lung		Edema	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 169

TMT: 7

SEX: Male

DAY ON TEST: 683

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Lung		Inflammation	Mild
	Alveolus	Mineralization	Mild
	[Mineralization TGLs = 2-3+4]		
* Parathyroid Gland		Hyperplasia	Minimal
* Testes		Atrophy	Minimal
* Thymus		Neural Crest Tumor	

Note: "Schwannoma,;" term not available in LDAS as set up for this study".

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 170

TMT: 7

SEX: Male

DAY ON TEST: 659

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Cataract	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1,2-5+14+15]		
* Liver	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 171

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLs = 2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-16]			
* Salivary Glands		Metaplasia	Minimal
* Skin		Inflammation	Moderate
[Inflammation TGLs = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 172

TMT: 7

SEX: Male

DAY ON TEST: 658

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 173

TMT: 7

SEX: Male

DAY ON TEST: 401

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 2-16]		
* Skin		Fibroma	
	[Fibroma TGLs = 1-15]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 174

TMT: 7

SEX: Male

DAY ON TEST: 651

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-14]			
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 175

TMT: 7

SEX: Male

DAY ON TEST: 712

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
* Liver		Necrosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 176

TMT: 7

SEX: Male

DAY ON TEST: 462

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Heart		Cardiomyopathy	Moderate
	[Cardiomyopathy TGLs = 2-11]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Liver		Necrosis	Moderate
* Lung		Inflammation	Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
	[Pigmentation TGLs = 3-15]		
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 177

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Pancreas	Acinus	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 178

TMT: 7

SEX: Male

DAY ON TEST: 710

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Eye

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
	[Hyperplasia TGLs = 3-15]		
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 179

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
[Inflammation TGLs = 2-15]			
* Intestine Small, Jejunum		Carcinoma	
	Lymphatic	Ectasia	Minimal
[Carcinoma TGLs = 3-16]			
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Mild
[Cyst TGLs = 1-14]			
* Nose		Inflammation	Mild
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Moderate
[Adenoma TGLs = 4-17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Metaplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 180

TMT: 7

SEX: Male

DAY ON TEST: 190

DOSE: 300 mg/kg

DISP: Dosing Accident

HISTO: 0900610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Marked
* Kidney		Nephropathy	Mild
* Lung		Hemorrhage	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal

Note: Lung hemorrhage compatible with dosing accident.

[Hemorrhage TGLs = 2-3+4]

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 181

TMT: 7
DOSE: 300 mg/kg

SEX: Male
DISP: Natural Death

DAY ON TEST: 258
HISTO: 0900611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

Blood Vessel Note: Periaortic vessels	Aorta	Fibrous Histiocytoma	Metastatic (Skin)
* Bone [Osteoma TGLs = 3-17]	Vertebra	Osteoma	
* Bone Marrow		Hyperplasia	Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Necrosis	Mild
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
* Mammary Gland [Inflammation TGLs = 2-16]		Inflammation	Moderate
* Skin [Fibrous Histiocytoma TGLs = 1-15]		Fibrous Histiocytoma	

PRIMARY CAUSE OF DEATH - Skin Fibrous Histiocytoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 182

TMT: 7

SEX: Male

DAY ON TEST: 611

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Liver		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 183

TMT: 7

SEX: Male

DAY ON TEST: 722

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|------------------------|------------------------------------|----------------------------------|----------------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | Atrium | Cardiomyopathy | Mild |
| | | Thrombosis | Moderate |
| | [Thrombosis TGLs = 4-00] | | |
| * Kidney | | Nephropathy | Moderate |
| | [Nephropathy TGLs = 2-5] | | |
| * Liver | | Cholangiocarcinoma | |
| | [Cholangiocarcinoma TGLs = 3-14] | | |
| * Lung | | Fibrosis | Mild |
| | | Inflammation | Moderate |
| | [Inflammation TGLs = 1-3+4] | | |
| * Nose | | Inflammation | Mild |
| * Pancreas | Acinus | Hyperplasia | Marked |
| * Prostate | | Inflammation | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Forestomach | | Hyperplasia | Minimal |
| * Testes | | Atrophy | Mild |
| | Interstit Cell | Hyperplasia | Marked |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 184

TMT: 7

SEX: Male

DAY ON TEST: 720

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart	Atrium	Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLs = 2,3-00]		
* Intestine Small, Duodenum	Lymphatic	Ectasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Moderate
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pancreas		Angiectasis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
		Ulcer	Minimal
	[Hyperplasia TGLs = 4-14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 184

TMT: 7

SEX: Male

DAY ON TEST: 720

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900614

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Atrophy

Mild

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 185

TMT: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Pancreas	Acinus	Adenoma	Multiple
[Adenoma TGLs = 1,2,3,4,5-14+15+16+17+18]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 186

TMT: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign	TGLs = 4-8]		
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy	TGLs = 5-5]		
* Liver		Clear Cell Focus	
* Lung		Inflammation	Mild
[Inflammation	TGLs = 3-3+4]		
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pancreas	Acinus	Hyperplasia	Marked
[Hyperplasia	TGLs = 2-15]		
* Parathyroid Gland		Hyperplasia	Moderate
* Skin	Sebaceous GI	Adenoma	
[Adenoma	TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 187

TMT: 7

SEX: Male

DAY ON TEST: 645

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
Blood Vessel		Inflammation	Chronic Active, Moderate
* Brain	Cerebellum	Glioma Malignant	
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 2-5]			
* Liver	Bile Duct	Cyst	Moderate
[Cyst TGLs = 3-15]			
Lymph Node	Mediastinal, Renal	Ectasia	Mild
[Ectasia TGLs = 4-16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Marked
[Atrophy TGLs = 1-12]			
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Brain Cerebellum Glioma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 188

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 519
 HISTO: 0900618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Cyst	Mild
[Cyst TGLs = 1-15]			
* Prostate		Inflammation	Mild
[Inflammation TGLs = 3-17]			
* Spleen		Atrophy	Moderate
* Stomach, Forestomach		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Hemorrhage	Mild
[Hemorrhage TGLs = 2-16]		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Brain Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 189

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Natural Death

DAY ON TEST: 706
 HISTO: 0900619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye	Retina	Fibrosis	Moderate
Note: Gliosis			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 190

TMT: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 191

TMT: 7

SEX: Male

DAY ON TEST: 701

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3,5-5+16]		
* Liver	Bile Duct	Cyst	Moderate
	[Cyst TGLs = 4-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
	[Ectasia TGLs = 2-9+14]		
* Pancreas	Acinus	Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLs = 6-17]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLs = 1-12]		
* Prostate		Fibrosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 191

TMT: 7

SEX: Male

DAY ON TEST: 701

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900621

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 192

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 661
 HISTO: 0900622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------------------------|----------------------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Moderate |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Moderate |
| * Kidney | | Nephropathy | Moderate |
| | [Nephropathy TGLs = 3,4-5+16] | | |
| * Liver | | Clear Cell Focus | |
| * Skin | | Fibroma | |
| | [Fibroma TGLs = 1-14] | Fibrosarcoma | |
| | [Fibrosarcoma TGLs = 2-15] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Testes | | Atrophy | Marked |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Skin Fibroma
 CONTRIBUTORY CAUSE OF DEATH - Skin Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 193

TMT: 7

SEX: Male

DAY ON TEST: 496

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 2-15]			
* Liver		Necrosis	Moderate
* Lung		Inflammation	Moderate
Lymph Node	Renal	Pigmentation	Hemosiderin, Moderate
[Pigmentation TGLs = 3-16]			
* Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Lung Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 194

TMT: 7

SEX: Male

DAY ON TEST: 534

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
* Liver		Eosinophilic Focus	
		Necrosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 195

TMT: 7

SEX: Male

DAY ON TEST: 719

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 196

TMT: 7

SEX: Male

DAY ON TEST: 612

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Brain		Necrosis	Moderate
* Heart		Cardiomyopathy	Moderate
	[Cardiomyopathy TGLs = 6-00]		
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Marked
	[Cyst TGLs = 2-15]		
	[Nephropathy TGLs = 1-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-4+16]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Brain Necrosis
 CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 197

TMT: 7

SEX: Male

DAY ON TEST: 532

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Granulocytic	
* Adrenal Medulla		Leukemia Granulocytic	
* Bone Marrow		Leukemia Granulocytic	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Leukemia Granulocytic	
		Nephropathy	Moderate
* Liver		Leukemia Granulocytic	
* Lung		Leukemia Granulocytic	
* Pituitary Gland		Leukemia Granulocytic	
* Prostate		Inflammation	Moderate
	[Inflammation TGLs = 2-16]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-15]		
* Spleen		Leukemia Granulocytic	
	[Leukemia Granulocytic TGLs = 3-17]		
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
* Urinary Bladder		Leukemia Granulocytic	

PRIMARY CAUSE OF DEATH - Lung Leukemia Granulocytic

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 198

TMT: 7
 DOSE: 300 mg/kg

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0900628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Lung		Inflammation	Minimal
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 1-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
		Inflammation	Minimal
* Testes		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 199

TMT: 7

SEX: Male

DAY ON TEST: 621

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 3-16]		
Blood Vessel		Inflammation	Chronic Active, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 2-6+7+17]	Clear Cell Focus	
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-15]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes		Atrophy	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 199

TMT: 7

SEX: Male

DAY ON TEST: 621

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900629

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 200

TMT: 7

SEX: Male

DAY ON TEST: 531

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Eye		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 201

TMT: 2

SEX: Female

DAY ON TEST: 509

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Bone Marrow	Hyperplasia	Moderate
* Kidney	Nephropathy	Mild
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLs = 1-13]		
* Ovary	Cyst	Moderate
[Cyst TGLs = 2-14]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Inflammation	Minimal
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 202

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Mild Mild
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Adenoma Fibroadenoma	Multiple
	[Adenoma TGLs = 1-13]		
	[Fibroadenoma TGLs = 2,3-14+15]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 4-8]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 203

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Mild
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 2,3,-14+15]		
	[Cyst TGLs = 3-15]		
	[Mixed Cell Focus TGLs = 4,7-16+18]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,6-13+17]		
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 204

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 205

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 614
HISTO: 0900635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Ovary | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-----------------------|----------------------|
| * Adrenal Cortex | | Sarcoma Stromal | Metastatic (Uterus) |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Eye | | Cataract | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Necrosis | Mild |
| | | Pigmentation | Bile, Moderate |
| | [Necrosis TGLs = 2-6+7+13] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | [Infiltration Cellular TGLs = 7-3+4] | | |
| Lymph Node | Mediastinal | Hemorrhage | Marked |
| | Pancreatic | Sarcoma Stromal | Metastatic (Uterus) |
| | [Hemorrhage TGLs = 6-17] | | |
| | [Sarcoma Stromal TGLs = 9-19] | | |
| * Lymph Node, Mesenteric | | Sarcoma Stromal | Metastatic (Uterus) |
| | [Sarcoma Stromal TGLs = 8-18] | | |
| * Pancreas | | Sarcoma Stromal | Metastatic (Uterus) |
| * Stomach, Forestomach | | Sarcoma Stromal | Metastatic (Uterus) |
| | | Ulcer | Mild |
| * Stomach, Glandular | | Ulcer | Mild |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 205

TMT: 2

SEX: Female

DAY ON TEST: 614

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900635

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Sarcoma Stromal

Multiple

[Sarcoma Stromal TGLs = 3,4,5-14+15+16]

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 206

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
	[Inflammation TGLs = 4-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
	[Infiltration Cellular TGLs = 8-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3-15+16]		
* Ovary		Cyst	Mild
		Inflammation	Mild
	[Cyst TGLs = 7-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-8]		
* Skin		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 6-11]		
Vagina		Polyp	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 206

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900636

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp TGLs = 5-13]

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 207

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 0900637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Carcinoma	
		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1, 2-14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-13]		
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 208

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 642
 HISTO: 0900638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
* Lung		Histiocytic Sarcoma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
Lymph Node	Lumbar	Hemorrhage	Moderate
	Lumbar	Histiocytic Sarcoma	
	[Hemorrhage TGLs = 4-16]		
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-15]		
* Spleen		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Histiocytic Sarcoma	
* Uterus		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH - Lung Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 209

TMT: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 5-15]		
	[Mixed Cell Focus TGLs = 4-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 6-14]		
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 210

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 719
HISTO: 0900640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Mammary Gland	Duct	Adenoma Dilatation Fibroadenoma	Moderate
	[Adenoma TGLs = 2-14]		
	[Dilatation TGLs = 3-15]		
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 4-16]		
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 211

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 681
 HISTO: 0900641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 212

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
	[Cyst TGLs = 1,2-13+14]		
	[Mixed Cell Focus TGLs = 3-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 213

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Moderate
	[Cyst TGLs = 4-16]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
		Inflammation	Moderate
	[Hyperplasia TGLs = 3-15]		
	[Inflammation TGLs = 1,2-13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 214

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Cyst	Mild
	[Cyst TGLs = 2-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Fibroma	
	[Fibroma TGLs = 3-15]	Hyperplasia	Cystic, Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 215

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 3-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Marked
	Endometrium	Metaplasia	Squamous, Moderate
	[Dilatation TGLs = 1-13]		

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 216

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 632
 HISTO: 0900646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5]		
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	[Hemorrhage TGLs = 4-13]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 6-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Moderate
	Endometrium	Metaplasia	Squamous, Mild
		Sarcoma Stromal	
	[Sarcoma Stromal TGLs = 1-15]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 217

TMT: 2

SEX: Female

DAY ON TEST: 642

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 218

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 373
HISTO: 0900648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Clitoral Gland	Cyst	Moderate
[Cyst TGLs = 1-13]		
* Kidney	Nephropathy	Minimal
* Uterus	Dilatation	Moderate
[Dilatation TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Uterus Dilatation

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 219

TMT: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 220

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Multiple, Moderate
		Hepatocellular Adenoma	
	[Cyst TGLs = 2,3-13+14]		
	[Hepatocellular Adenoma TGLs = 4-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 6-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 1-11]		

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 221

TMT: 2

SEX: Female

DAY ON TEST: 719

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Lymph Node	Lumbar	Hemorrhage	Moderate
[Hemorrhage TGLs = 6-18]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 3,4,5-15+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-19]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-13]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 222

TMT: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 1-3+4]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 223

TMT: 2

SEX: Female

DAY ON TEST: 719

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-13]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-14]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 224

TMT: 2

SEX: Female

DAY ON TEST: 538

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 225

TMT: 2

SEX: Female

DAY ON TEST: 422

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart	Epicardium	Inflammation	Mild
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 226

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 688
HISTO: 0900656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-15]		
* Salivary Glands		Inflammation	Mild
	Note: Possible infarction		
	[Inflammation TGLs = 2-14]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 227

TMT: 2

SEX: Female

DAY ON TEST: 611

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3-13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 228

TMT: 2

SEX: Female

DAY ON TEST: 488

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
	[Infiltration Cellular TGLs = 2-3+4]	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Nose		Foreign Body	Minimal
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 229

TMT: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 4-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 6-8]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 230

TMT: 2

SEX: Female

DAY ON TEST: 558

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0900660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]		
* Lymph Node, Mesenteric		Pigmentation	Hemosiderin, Mild
	[Pigmentation TGLs = 2-14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 231

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-14]		
* Mammary Gland		Myoepithelioma	
	[Myoepithelioma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 232

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 3-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 233

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 617
 HISTO: 0900663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Brain		Necrosis	Moderate
Note: Infarction			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 3-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 4-15]			
* Ovary		Cyst	Marked
[Cyst TGLs = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
Skeletal Muscle		Sarcoma	
Note: Liposarcoma			
[Sarcoma TGLs = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Moderate
Note: Healed ulcer			
* Stomach, Glandular		Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 233

TMT: 2

SEX: Female

DAY ON TEST: 617

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900663

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Sarcoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 234

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 425
HISTO: 0900664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung	Mediastinum	Sarcoma	
Note: Tumor incorporated thymus. [Sarcoma TGLs = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Tongue		Erosion	Moderate
[Erosion TGLs = 3-14]			

PRIMARY CAUSE OF DEATH - Lung Mediastinum Sarcoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 235

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 389
HISTO: 0900665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]		
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Note: Hyperplasia, bilateral.		
	[Hyperplasia TGLs = 2-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 1-13]		

PRIMARY CAUSE OF DEATH - Uterus Dilatation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 236

TMT: 2

SEX: Female

DAY ON TEST: 607

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 5,6-17]		
* Mammary Gland		Fibroadenoma	Multiple
		Inflammation	Marked
	[Fibroadenoma TGLs = 1,2-13+14]		
	[Inflammation TGLs = 3-15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-16]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 237

TMT: 2

SEX: Female

DAY ON TEST: 288

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pancreas	Acinus	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 238

TMT: 2

SEX: Female

DAY ON TEST: 552

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-8]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 239

TMT: 2

SEX: Female

DAY ON TEST: 446

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Cyst	Moderate
[Cyst TGLs = 2-14]			
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLs = 3-3+4]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLs = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 240

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 0900670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-14]		
* Liver		Angiectasis	Minimal
	[Angiectasis TGLs = 3-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 5-16]		
* Skin		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Skin Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 241

TMT: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 242

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Cyst TGLs = 3-15]		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung [Infiltration Cellular TGLs = 5-3]	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLs = 1,2-13+14]		Fibroadenoma	Multiple
* Pituitary Gland [Adenoma TGLs = 4-16]	Pars Distalis	Adenoma	
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 243

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Bilateral	Degeneration Hyperplasia	Cystic, Marked Mild
[Degeneration TGLs = 6-8]			
* Brain		Meningioma Benign	
* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 5-17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 7-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2,3-13+14+15]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Dilatation	Mild
	Endometrium	Metaplasia	Squamous, Moderate

Note: Squamous metaplasia with intraluminal hair follicles.

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 244

TMT: 2
DOSE: 0 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 502
HISTO: 0900674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
	[Infiltration Cellular TGLs = 3-6+7]		
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 4-13]		
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLs = 6-15]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 1-5]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Vagina		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 5-14]		

PRIMARY CAUSE OF DEATH - Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 245

TMT: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
[Cyst TGLs = 1-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 3-3+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-14]			
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 246

TMT: 2
 DOSE: 0 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Moderate
[Cyst TGLs = 1-12]			
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 3-3+4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-8]			
* Skin		Fibroma	
[Fibroma TGLs = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 247

TMT: 2

SEX: Female

DAY ON TEST: 695

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Moderate
[Inflammation TGLs = 3-15]			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-13]			
* Ovary		Cyst	Marked
[Cyst TGLs = 2-14]		Tubulostromal Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Blood Vessel Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 248

TMT: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 3-15]		
	[Clear Cell Focus TGLs = 1,4-13+16]		
	[Mixed Cell Focus TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 6-3]		
* Ovary		Granulosa-Theca Tumor Benign	
Note: Second ovary missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-17]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 249

TMT: 2

SEX: Female

DAY ON TEST: 656

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 250

TMT: 2

SEX: Female

DAY ON TEST: 513

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Carcinoma	
	[Carcinoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 251

TMT: 4

SEX: Female

DAY ON TEST: 719

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Mild
* Bone Marrow	Hyperplasia	Mild
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
[Clear Cell Focus TGLs = 3-15]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLs = 1-13]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Uterus	Polyp Stromal	
[Polyp Stromal TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 252

TMT: 4

SEX: Female

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLs = 3-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 1-3+4]		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 2-13]			
* Pancreas	Acinus	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 253

TMT: 4

SEX: Female

DAY ON TEST: 719

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
	Lymph Node	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-15]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 254

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 1-3+4]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 255

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 622
 HISTO: 0900685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Inflammation	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3-13+14+15]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 4-16]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 6-17]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 256

TMT: 4

SEX: Female

DAY ON TEST: 621

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder	* Uterus		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Minimal
* Esophagus		Inflammation	Minimal
Note: Dilatation, moderate			
[Inflammation TGLs = 1-13]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Mild
[Inflammation TGLs = 2-3+4]			
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Trachea	Epithelium	Necrosis	Mild

PRIMARY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 257

TMT: 4

SEX: Female

DAY ON TEST: 531

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain	Meninges	Pigmentation	Lipofuscin, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3,4-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-14]		
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 258

TMT: 4

SEX: Female

DAY ON TEST: 622

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 259

TMT: 4

SEX: Female

DAY ON TEST: 633

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 3-19]	
	[Leukemia Mononuclear	TGLs = 5-21]	
	[Leukemia Mononuclear	TGLs = 6-22]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 4-20]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 7-23]	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma	TGLs = 1-17]	
Spinal Cord		Hemorrhage	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 259

TMT: 4

SEX: Female

DAY ON TEST: 633

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900689

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-18]

* Thymus

Epithel Cell

Hyperplasia

Marked

Leukemia Mononuclear

* Thyroid Gland

Lymphoma Malignant

* Uterus

Dilatation

Moderate

Endometrium

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 260

TMT: 4

SEX: Female

DAY ON TEST: 713

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 4-15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-14]		
* Skin		Cyst Epithelial Inclusion	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 261

TMT: 4

SEX: Female

DAY ON TEST: 665

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Nose	Glands, Olfactory Epi	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 262

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 379
HISTO: 0900692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 263

TMT: 4

SEX: Female

DAY ON TEST: 665

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 264

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Moderate
	Degeneration	Cystic, Minimal
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 4-16]		
* Lung	Alveolus	Infiltration Cellular
[Infiltration Cellular TGLs = 5-3+4]		Histiocyte, Moderate
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2-13+14]		
* Spleen	Hematopoietic Cell Proliferation	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 265

TMT: 4

SEX: Female

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 1-3]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 266

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Cyst TGLs = 2-14]		Cyst	Moderate
* Liver		Basophilic Focus Clear Cell Focus	
* Lung [Infiltration Cellular TGLs = 4-3+4]	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland [Fibroadenoma TGLs = 1-13]		Fibroadenoma	
* Ovary [Cyst TGLs = 3-15]		Cyst	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 267

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 710
 HISTO: 0900697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Moderate
	[Basophilic Focus TGLs = 1-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-14]		
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 3-15]		
Vagina		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 4-16]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 268

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Minimal
	[Inflammation TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 2-14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 269

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Moderate
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Mixed Cell Focus	
[Mixed Cell Focus TGLs = 5-16]		
* Lung	Alveolus	Infiltration Cellular
[Infiltration Cellular TGLs = 4-3+4]		Histiocyte, Moderate
* Mammary Gland		Fibroadenoma
[Fibroadenoma TGLs = 1,2,3-13+14+15]		Multiple
* Ovary	Cyst	Mild
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Hyperplasia	Minimal
* Stomach, Glandular	Carcinoma	
Note: Pancreatic acinar carcinoma.		
[Carcinoma TGLs = 6-17]		
* Uterus	Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 270

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLs = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 271

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Natural Death

DAY ON TEST: 705
 HISTO: 0900701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 4,5-16]		
* Bone Marrow		Hyperplasia	Minimal
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Liver	Oval Cell	Hyperplasia	Mild
		Necrosis	Moderate
	[Hyperplasia TGLs = 7-18]		
	[Necrosis TGLs = 6-17]		
* Lung		Inflammation	Mild
	[Inflammation TGLs = 10-3+4]		
Lymph Node	Inguinal	Hemorrhage	Moderate
	[Hemorrhage TGLs = 3-15]		
* Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLs = 2-14]		
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 272

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 313
HISTO: 0900702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Heart	Epicardium	Inflammation	Moderate
* Lung	Mediastinum	Inflammation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Heart Epicardium Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 273

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 719
HISTO: 0900703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-13]			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 275

TMT: 4

SEX: Female

DAY ON TEST: 509

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 3-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 276

TMT: 4

SEX: Female

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLs = 5-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 9-3+4]			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 6-18]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2,3-13+14+15]		Inflammation	Moderate
[Inflammation TGLs = 4-16]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLs = 8-20]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 276

TMT: 4

SEX: Female

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900706

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue		Inflammation	Moderate
[Inflammation TGLs = 12-22]			
* Uterus		Dilatation	Marked
		Inflammation	Moderate
	Endometrium	Metaplasia	Squamous, Minimal
[Dilatation TGLs = 7-19]			

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 277

TMT: 4

SEX: Female

DAY ON TEST: 645

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Mammary Gland		Adenoma	
		Fibroadenoma	
	[Adenoma TGLs = 1-13]		
	[Fibroadenoma TGLs = 2-14]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-15]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 278

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-17]		
* Thymus		Atrophy	Minimal
* Uterus		Dilatation	Moderate
	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	
	[Dilatation TGLs = 2-14]		
	[Polyp Stromal TGLs = 3,4-15+16]		

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 279

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Cholangiocarcinoma	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-13]		
* Uterus	Endometrium	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 280

TMT: 4

SEX: Female

DAY ON TEST: 616

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Clitoral Gland	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Minimal
* Brain		Inflammation	Mild
* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 2-14]		
* Ovary		Inflammation	Moderate
	[Inflammation TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Moderate
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 281

TMT: 4

SEX: Female

DAY ON TEST: 670

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-3+4]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 2-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 1-11+13]		

PRIMARY CAUSE OF DEATH - Uterus Dilatation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 282

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 3-5]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Marked
* Thymus		Atrophy	Mild
* Uterus		Inflammation	Mild
	Endometrium	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 283

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 0900713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------------|---------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| Mesentery | Fat | Carcinoma | Metastatic (Uterus) |
| [Carcinoma TGLs = 2,7-14+19] | | | |
| * Ovary | | Cyst | Moderate |
| [Cyst TGLs = 3-15] | | | |
| * Pancreas | | Carcinoma | Metastatic (Uterus) |
| [Carcinoma TGLs = 5,6-17+18] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| [Hyperplasia TGLs = 8-20] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| [Hematopoietic Cell Proliferation TGLs = 4-16] | | | |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Carcinoma | |
| [Carcinoma TGLs = 1-13] | | | |

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 284

TMT: 4

SEX: Female

DAY ON TEST: 492

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Necrosis	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Liver Necrosis
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 285

TMT: 4

SEX: Female

DAY ON TEST: 611

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 286

TMT: 4

SEX: Female

DAY ON TEST: 388

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-3+4]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1,2,3-13+14+15]		
* Thymus	Epithel Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 287

TMT: 4

SEX: Female

DAY ON TEST: 729

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 2-14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 288

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 481
HISTO: 0900718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 289

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Dosing Accident

DAY ON TEST: 420
 HISTO: 0900719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Esophagus		Inflammation	Moderate
Note: Necrosuppurative inflammation consistent with perforation.			
[Inflammation TGLs = 3-15]			
* Heart	Epicardium	Inflammation	Moderate
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Moderate
Note: Inflammation = neutrophils, necrotic debris, and fibrin exudation + partial atelectasis is consistent with dosing accident.			
[Inflammation TGLs = 2-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
		Inflammation	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
		Polyp Stromal	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 290

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pancreas	Acinus	Hyperplasia	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 291

TMT: 4

SEX: Female

DAY ON TEST: 669

DOSE: 75 mg/kg

DISP: Natural Death

HISTO: 0900721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Thrombosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Thrombosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
Lymph Node	Iliac	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 3-15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Adrenal Cortex Thrombosis

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 292

TMT: 4

SEX: Female

DAY ON TEST: 463

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2,3-3+4]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-13]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 293

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Natural Death

DAY ON TEST: 706
 HISTO: 0900723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Marked
	[Thrombosis TGLs = 4-00]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 1-5]		
* Liver	Bile Duct	Cyst	Multiple, Mild
	[Cyst TGLs = 2,3-13+14]		
* Lung		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
* Thymus	Epithel Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 294

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Mild Moderate
	[Inflammation TGLs = 4-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLs = 3-15]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 295

TMT: 4

SEX: Female

DAY ON TEST: 664

DOSE: 75 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
Lymph Node	Lumbar	Hemorrhage	Moderate
	[Hemorrhage TGLs = 1,2-13+14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 3-15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-16]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Metaplasia	Squamous, Mild
	[Metaplasia TGLs = 6-17]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 296

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 335
HISTO: 0900726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Pancreas	Acinus	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Pigmentation	Melanin, Mild
* Uterus		Dilatation	Marked

[Dilatation TGLs = 1-11]

PRIMARY CAUSE OF DEATH - Uterus Dilatation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 297

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLs = 3-14]			
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 2-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 4-15]			
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 298

TMT: 4
DOSE: 75 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 187
HISTO: 0900728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Gliosis	Mild
* Eye		Inflammation	Moderate
* Harderian Gland		Schwannoma Malignant	Metastatic (Peripheral Nerve)
* Kidney		Nephropathy	Minimal
Peripheral Nerve	Trigeminal	Schwannoma Malignant	
Note: Tumor involves nasopharynx, and extends into the pituitary gland, harderian gland, optic nerve sheath, and some brain tissue. [Schwannoma Malignant TGLs = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Schwannoma Malignant	Metastatic (Peripheral Nerve)
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Peripheral Nerve Trigeminal Schwannoma Malignant

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 299

TMT: 4
 DOSE: 75 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Mild
	[Clear Cell Focus TGLs = 1-13]		
	[Cyst TGLs = 1-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 300

TMT: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 301

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 611
 HISTO: 0900731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2-14]		
	[Eosinophilic Focus TGLs = 4-6+7+14+15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

Note: keratin cyst formation

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 302

TMT: 6

SEX: Female

DAY ON TEST: 446

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 2-14]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 303

TMT: 6

SEX: Female

DAY ON TEST: 615

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2,5-6+7+13+14+15]		
	[Mixed Cell Focus TGLs = 1-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	Moderate
	[Cyst TGLs = 4-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Moderate
* Thymus		Atrophy	Mild
* Uterus		Cyst	Mild
	Endometrium	Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 304

TMT: 6
DOSE: 150 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Multiple, Mild
		Eosinophilic Focus	
[Cyst TGLs = 1,2-13+14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Minimal
[Infiltration Cellular TGLs = 4-3+4+16]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 305

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLs = 1-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 306

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLs = 3-12]			
* Heart	Pericardium	Cardiomyopathy	Minimal
[Inflammation TGLs = 6-00+16]		Inflammation	Mild
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 5-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 2-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Fibroma	
[Fibroma TGLs = 1-13]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 4-15]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 307

TMT: 6

SEX: Female

DAY ON TEST: 548

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Mild
	Hyperplasia	Moderate
* Bone	Fibrous Osteodystrophy	Moderate
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Moderate
	[Nephropathy TGLs = 1-5]	
* Lung	Inflammation	Moderate
* Ovary	Cyst	Mild
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Hyperplasia	Mild
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 308

TMT: 6

SEX: Female

DAY ON TEST: 639

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Moderate
[Inflammation TGLs = 3-14]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 1-5]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Uterus		Cyst	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

Note: Squamous cyst

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 309

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
	[Hyperplasia TGLs = 2-8]		
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 310

TMT: 6

SEX: Female

DAY ON TEST: 516

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus		Dilatation	Marked
	Endometrium	Metaplasia	Squamous, Moderate
		Sarcoma Stromal	
	[Dilatation TGLs = 4-11]		
	[Sarcoma Stromal TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Hyperplasia

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 311

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLs = 2-8]		Hyperplasia	Marked
* Adrenal Medulla Blood Vessel		Hyperplasia Inflammation	Mild Chronic Active, Mild
* Eye		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver [Mixed Cell Focus TGLs = 5-15]		Mixed Cell Focus	
* Lung [Infiltration Cellular TGLs = 3-3+4]	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland [Fibroadenoma TGLs = 1-13]		Fibroadenoma	
* Pituitary Gland [Hyperplasia TGLs = 4-14]	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 312

TMT: 6

SEX: Female

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus	Epithel Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 313

TMT: 6

SEX: Female

DAY ON TEST: 329

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 314

TMT: 6

SEX: Female

DAY ON TEST: 688

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Marked
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 315

TMT: 6

SEX: Female

DAY ON TEST: 688

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 1-13]		
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 6-3+4]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	[Hemorrhage TGLs = 7-18]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3-14+15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 4-17]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Cyst	Marked
	[Cyst TGLs = 5-16]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 316

TMT: 6
DOSE: 150 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 727
HISTO: 0900746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
		Cyst	Marked
	[Cyst TGLs = 4-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Necrosis	Fibrinoid, Marked
	[Necrosis TGLs = 3-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 6-16]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 2-5]		
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLs = 7-17]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 316

TMT: 6

SEX: Female

DAY ON TEST: 727

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900746

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Hyperplasia

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 317

TMT: 6

SEX: Female

DAY ON TEST: 596

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 5-16]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
	[Infiltration Cellular TGLs = 4-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3,-13+14+15]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 318

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 3-15]		
Blood Vessel		Inflammation	Chronic Active, Moderate
* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Cyst	Mild
	[Cyst TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
* Mammary Gland		Carcinoma	
	[Carcinoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 319

TMT: 6
DOSE: 150 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 608
HISTO: 0900749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Ovary		Cyst	Moderate
* Pancreas			
	Note: Inflammation/edema involving mainly peripancreatic connective tissue (peritonitis).		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Carcinoma	
		Dilatation	Moderate
	Endometrium	Metaplasia	Squamous, Minimal
	[Carcinoma TGLs = 1-13]		
	[Dilatation TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 320

TMT: 6

SEX: Female

DAY ON TEST: 645

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 5-3+4]			
Lymph Node	Mediastinal	Ectasia	Moderate
[Ectasia TGLs = 4-15]			
Mesentery	Fat	Carcinoma	Metastatic (Uterus)
[Carcinoma TGLs = 2-14]			
* Ovary		Cyst	Marked
[Cyst TGLs = 3-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Carcinoma	
Note: Squamous cell differentiation.			
[Carcinoma TGLs = 1-13]			

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 321

TMT: 6

SEX: Female

DAY ON TEST: 526

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-13]		
Skeletal Muscle		Degeneration	Minimal
Note: Maxilla			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 322

TMT: 6

SEX: Female

DAY ON TEST: 645

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Dilatation	Marked
	[Dilatation TGLs = 1-13]		

PRIMARY CAUSE OF DEATH - Uterus Dilatation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 323

TMT: 6

SEX: Female

DAY ON TEST: 631

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 324

TMT: 6

SEX: Female

DAY ON TEST: 393

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Rectum		Metaplasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus		Sarcoma Stromal	

[Sarcoma Stromal TGLs = 1-13]

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 325

TMT: 6

SEX: Female

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus	
		Cyst	Multiple, Mild
	[Cyst TGLs = 2,3-14+15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 5-4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 326

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Islets, Pancreatic		Carcinoma	
	[Carcinoma TGLs = 5-16]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Mild
	Note: Multilocular cyst		
	[Clear Cell Focus TGLs = 3-15]		
	[Cyst TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-3+4]		
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 1-13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 327

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 328

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Hemangioma	
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Cholangiocarcinoma TGLs = 1-13]		
	[Hepatocellular Adenoma TGLs = 5-16]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 3-15]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Metaplasia	Squamous, Mild
	[Hyperplasia TGLs = 2-14]		

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 329

TMT: 6

SEX: Female

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLs = 1-12]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 5-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 4-15]			
* Ovary		Cyst	Moderate
[Cyst TGLs = 2,3-13+14]			
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 330

TMT: 6

SEX: Female

DAY ON TEST: 664

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-14]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 331

TMT: 6

SEX: Female

DAY ON TEST: 646

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 332

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 646
 HISTO: 0900762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|------------------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatodiaphragmatic Nodule | |
| | [Hepatocellular Adenoma TGLs = 3-14] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 4-15] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 2-3+4] | | |
| * Ovary | | Inflammation | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Dilatation | Marked |
| | [Dilatation TGLs = 1-13] | | |

PRIMARY CAUSE OF DEATH - Ovary Inflammation
 CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 333

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Nose		Angiectasis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 334

TMT: 6

SEX: Female

DAY ON TEST: 729

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
	[Lymphoma Malignant TGLs = 5,6-17+18]	Lymphoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 8-19]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 7-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3-13+14+15]		
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 335

TMT: 6
DOSE: 150 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 590
HISTO: 0900765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------------|----------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Cyst | Mild |
| | [Cyst TGLs = 2-14] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 4-3+4] | | |
| | Lymph Node | Infiltration Cellular | Histiocyte, Moderate |
| | [Infiltration Cellular TGLs = 3-15] | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-13] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 5-16] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: Small tissues

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 336

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-3+4]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 337

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	Moderate
[Cyst TGLs = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLs = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 338

TMT: 6

SEX: Female

DAY ON TEST: 688

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 3-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 339

TMT: 6

SEX: Female

DAY ON TEST: 189

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Heart	Pericardium	Inflammation	Moderate
	[Inflammation TGLs = 2-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Heart Pericardium Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 340

TMT: 6
 DOSE: 150 mg/kg

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 631
 HISTO: 0900770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 341

TMT: 6

SEX: Female

DAY ON TEST: 719

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 342

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
[Degeneration TGLs = 6-17]			
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
[Angiectasis TGLs = 3-15]		Basophilic Focus	
[Basophilic Focus TGLs = 2-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 4-3+4]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 5-16]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
		Thrombosis	Mild
[Thrombosis TGLs = 1-13]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 343

TMT: 6

SEX: Female

DAY ON TEST: 643

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Capsule	Carcinoma	Metastatic (Uterus)
		Nephropathy	Mild
* Liver		Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLs = 3,4,7-15+16+18]		
* Lung		Carcinoma	Metastatic (Uterus)
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
Mesentery	Fat	Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLs = 2,6-14+17]		
* Ovary		Carcinoma	Metastatic (Uterus)
* Pancreas		Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLs = 7-18]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
	Note: Adenocarcinoma		
	[Carcinoma TGLs = 1-13]		

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

Animal Note: Adenocarcinoma invasion of multiple organ capsules and serosa: cecum, duodenum, stomach, kidney, liver, adrenal gland, mammary gland, ileum, periaorta, bladder

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 344

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
	[Infiltration Cellular TGLs = 3-3+4]	Infiltration Cellular	Histiocyte, Moderate
* Ovary		Cyst	Moderate
	[Cyst TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Metaplasia	Squamous, Moderate
	[Metaplasia TGLs = 2-14]		

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 345

TMT: 6

SEX: Female

DAY ON TEST: 160

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Salivary Glands

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Skin Basal Cell Carcinoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 346

TMT: 6

SEX: Female

DAY ON TEST: 646

DOSE: 150 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Moderate
[Cyst TGLs = 2-14]			
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 3-3+4]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 4-15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Carcinoma	
[Carcinoma TGLs = 1-13]			

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 347

TMT: 6

SEX: Female

DAY ON TEST: 307

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

Blood Vessel	Adventitia, Aorta	Squamous Cell Carcinoma	Metastatic (Lung)
* Bone Marrow		Hyperplasia	Moderate
* Heart		Squamous Cell Carcinoma	Metastatic (Lung)
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLs = 3-14]			
* Lung		Squamous Cell Carcinoma	Multiple
Note: Also metastatic in lung.			
[Squamous Cell Carcinoma TGLs = 1,2-3+4+13]			
* Thymus		Atrophy	Moderate
		Squamous Cell Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH - Lung Squamous Cell Carcinoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 348

TMT: 6

SEX: Female

DAY ON TEST: 614

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Thrombosis	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	Multiple
	[Adenoma TGLs = 2,5-5+14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-3+4]		
* Uterus	Cervix	Carcinoma	Multiple
	[Carcinoma TGLs = 1,3-13+15]		

PRIMARY CAUSE OF DEATH - Uterus Cervix Carcinoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 349

TMT: 6

SEX: Female

DAY ON TEST: 397

DOSE: 150 mg/kg

DISP: Natural Death

HISTO: 0900779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Blood Vessel Note: Aorta, aneurysm		Degeneration	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Minimal
Lymph Node [Hyperplasia TGLs = 2-14]	Inguinal	Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus [Dilatation TGLs = 1-13]		Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Uterus Dilatation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 350

TMT: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Mild Mild
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Nose		Foreign Body Inflammation	Mild Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 351

TMT: 8

SEX: Female

DAY ON TEST: 622

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 4-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Sarcoma Stromal TGLs = 2-14]			
Vagina		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLs = 3-15]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 352

TMT: 8

SEX: Female

DAY ON TEST: 175

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--|----------------|----------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Duodenum | Lymphatic | Ectasia | Marked |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Moderate |
| * Kidney | Pelvis | Inflammation | Moderate |
| | | Nephropathy | Moderate |
| | [Inflammation TGLs = 1,2,3,4,5-13+14+15+16+17] | | |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Kidney Pelvis Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 353

TMT: 8
 DOSE: 300 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 354

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2,3-14+15]		
	[Clear Cell Focus TGLs = 3-15]		
	[Mixed Cell Focus TGLs = 1,2-13+14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 355

TMT: 8

SEX: Female

DAY ON TEST: 356

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Inflammation	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
	[Atrophy TGLs = 3-3]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 356

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 2-11]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Carcinoma	Multiple
	[Carcinoma TGLs = 1,4-11+13]	Polyp Stromal	
	[Polyp Stromal TGLs = 4-13]		

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 357

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|-----------|----------------------------------|--------------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Moderate |
| | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Marked |
| Blood Vessel | | Inflammation | Chronic Active, Moderate |
| [Inflammation TGLs = 5-16] | | | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Clear Cell Focus | |
| | Bile Duct | Cyst | Multiple, Mild |
| [Cyst TGLs = 6,7-17+18] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| [Infiltration Cellular TGLs = 8-3+4] | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 1,2-13+14] | | | |
| * Ovary | | Angiectasis | Moderate |
| | | Cyst | Moderate |
| [Cyst TGLs = 4-11] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Thymus | | Atrophy | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Marked |
| Vagina | | Schwannoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 357

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900787

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLs = 3-15]

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 358

TMT: 8

SEX: Female

DAY ON TEST: 630

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2-13+14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 359

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Multiple, Moderate
	[Cyst TGLs = 1,2-13+14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]	Inflammation	Mild
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 360

TMT: 8
DOSE: 300 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Mild
	[Inflammation TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
Lymph Node	Renal	Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Carcinoma	
		Dilatation	Mild
	Endometrium	Metaplasia	Squamous, Moderate

Note: Anaplastic carcinoma with two different cell types.
 [Carcinoma TGLs = 4-15]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 361

TMT: 8

SEX: Female

DAY ON TEST: 176

DOSE: 300 mg/kg

DISP: Dosing Accident

HISTO: 0900791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Esophagus		Perforation	
[Perforation TGLs = 2-13]			
* Intestine Small, Duodenum	Lymphatic	Ectasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Marked
* Kidney		Nephropathy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 362

TMT: 8
 DOSE: 300 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 3-1]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 363

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLs = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 2-14]			
* Ovary		Cyst	Moderate
* Skin		Fibroma	
[Fibroma TGLs = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 4-15]			
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 364

TMT: 8

SEX: Female

DAY ON TEST: 416

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular	TGLs = 2-3]		
Lymph Node	Iliac	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular	TGLs = 1-13]		
* Thymus		Atrophy	Mild
		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 365

TMT: 8

SEX: Female

DAY ON TEST: 692

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-14]		
* Skin		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 366

TMT: 8

SEX: Female

DAY ON TEST: 719

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 1-6+7+13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 3-14]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 366

TMT: 8

SEX: Female

DAY ON TEST: 719

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900796

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 367

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 4-3+4]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Cyst	Mild
	[Cyst TGLs = 3-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 368

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 1-12]			
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 3-3+4]			
* Ovary		Cyst	Moderate
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 369

TMT: 8

SEX: Female

DAY ON TEST: 701

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Necrosis TGLs = 4-8]		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Liver		Basophilic Focus	
* Lung [Infiltration Cellular TGLs = 5-3+4]	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Lymph Node Note: Left axillary. [Hyperplasia TGLs = 3-15]	Axillary	Hyperplasia	Lymphoid, Moderate
* Mammary Gland [Fibroadenoma TGLs = 2-14]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLs = 6-16]	Pars Distalis	Adenoma	
* Skin [Fibroma TGLs = 1-13]		Fibroma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Carcinoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Adrenal Cortex Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 369

TMT: 8

SEX: Female

DAY ON TEST: 701

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900799

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 370

TMT: 8

SEX: Female

DAY ON TEST: 688

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Cranium	Osteoma	
	Periosteum	Sarcoma	
	[Osteoma TGLs = 3-16]		
* Brain		Hemorrhage	Mild
		Necrosis	Mild
	[Necrosis TGLs = 4-14]		
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-15]		
* Skin		Cyst Epithelial Inclusion	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 1-13]		

PRIMARY CAUSE OF DEATH - Bone Cranium Osteoma

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 371

TMT: 8
DOSE: 300 mg/kg

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 665
HISTO: 0900801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 3-6+7+14]		
	[Mixed Cell Focus TGLs = 4-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Ovary		Cyst	Marked
	[Cyst TGLs = 2-11]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 372

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Marked
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2,3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 373

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Nose		Foreign Body	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 374

TMT: 8
DOSE: 300 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0900804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------------------------------------|----------------------------------|------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Duodenum | Lymphatic | Ectasia | Mild |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Mild |
| * Liver | Bile Duct | Cyst | Moderate |
| | [Cyst TGLs = 1-13] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 3-3] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-14] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 375

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Nose		Inflammation	Minimal
* Ovary		Cyst	Moderate
	[Cyst TGLs = 3-15]		
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLs = 2-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 376

TMT: 8

SEX: Female

DAY ON TEST: 197

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lymph Node, Mesenteric	* Pancreas	* Spleen

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart	Epicardium	Inflammation	Moderate
* Lung		Inflammation	Mild
* Skin		Fibrosis	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Heart Epicardium Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 377

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
	[Angiectasis TGLs = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-3]		
* Nose		Foreign Body	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibroma	
	[Fibroma TGLs = 1-13]		

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 378

TMT: 8

SEX: Female

DAY ON TEST: 592

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 4-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 6,7-3+4]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Dilatation	Marked
		Metaplasia	Squamous, Mild
		Thrombosis	Moderate
	[Dilatation TGLs = 2-11]		
	[Thrombosis TGLs = 3-14]		

PRIMARY CAUSE OF DEATH - Uterus Thrombosis

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 379

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLs = 2-4]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 380

TMT: 8
DOSE: 300 mg/kg

SEX: Female
DISP: Natural Death

DAY ON TEST: 184
HISTO: 0900810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Spleen	* Stomach, Forestomach
* Stomach, Glandular			

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 381

TMT: 8
 DOSE: 300 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 730
 HISTO: 0900811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 382

TMT: 8
DOSE: 300 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Adenoma	
	[Adenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 383

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2-13+14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 3-15]			
* Skin		Fibroma	
[Fibroma TGLs = 4-16]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 384

TMT: 8

SEX: Female

DAY ON TEST: 563

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 3-3+4]		
* Ovary		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Dilatation	Marked
		Inflammation	Mild
	[Dilatation TGLs = 1-13+14]		

PRIMARY CAUSE OF DEATH - Uterus Dilatation

CONTRIBUTORY CAUSE OF DEATH - Uterus Inflammation

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 385

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Small, Duodenum	Lymphatic	Ectasia	
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 386

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 387

TMT: 8

SEX: Female

DAY ON TEST: 605

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 1-3+4]		
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-1]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 388

TMT: 8
 DOSE: 300 mg/kg

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 0900818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum	Lymphatic	Ectasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 389

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Clear Cell Focus	
		Cyst	Mild
	[Cyst TGLs = 1-13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Metaplasia	Squamous, Mild

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 390

TMT: 8

SEX: Female

DAY ON TEST: 571

DOSE: 300 mg/kg

DISP: Natural Death

HISTO: 0900820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLs = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLs = 3-3+4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 391

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Moderate
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 3-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 2-3+4]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibroma	
	[Fibroma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 392

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLs = 5-8]		Degeneration	Cystic, Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland [Inflammation TGLs = 3-15]		Inflammation	Moderate
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Mild
* Liver [Cyst TGLs = 4-16]	Bile Duct	Cyst	Mild
* Lung [Infiltration Cellular TGLs = 6-3+4]	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLs = 1,2-13+14]		Fibroadenoma	Multiple
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 393

TMT: 8
DOSE: 300 mg/kg

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0900823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------------|----------------------|
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| * Clitoral Gland | | Cyst | Moderate |
| [Cyst TGLs = 6-18] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Duodenum | Lymphatic | Ectasia | Minimal |
| * Intestine Small, Jejunum | Lymphatic | Ectasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Cyst | Moderate |
| [Cyst TGLs = 8-19] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| [Infiltration Cellular TGLs = 7-3+4] | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 1,2,3,4-13+14+15+16] | | | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLs = 5-17] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 9-20] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Uterus | Endometrium | Metaplasia | Squamous, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 394

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Note: Ectopic tissue: C-cell Adenoma located in ectopic tissue beside mainstem bronchus in block #03.			
	[Infiltration Cellular TGLs = 3-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
		Inflammation	Moderate
	[Hyperplasia TGLs = 4-6]		
* Thyroid Gland		Adenoma	
Tongue		Cyst	Moderate
	[Cyst TGLs = 2-14]		
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 395

TMT: 8

SEX: Female

DAY ON TEST: 645

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 2-7+14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 396

TMT: 8

SEX: Female

DAY ON TEST: 674

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Carcinoma	Metastatic (Uterus)
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Carcinoma	Metastatic (Uterus)
		Nephropathy	Minimal
* Liver		Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLs = 4-16]		
* Lung		Carcinoma	Metastatic (Uterus)
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 7-3+4]		
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Uterus)
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-14]		
Mesentery	Fat	Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLs = 5-17]		
* Pancreas		Carcinoma	Metastatic (Uterus)
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skeletal Muscle		Carcinoma	Metastatic (Uterus)
	Note: Carcinoma invades skeletal muscle of diaphragm and attached liver tissue.		
	[Carcinoma TGLs = 6-18]		
* Skin		Fibroma	
	[Fibroma TGLs = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 396

TMT: 8

SEX: Female

DAY ON TEST: 674

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900826

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Carcinoma	Metastatic (Uterus)
* Stomach, Glandular		Carcinoma	Metastatic (Uterus)
[Carcinoma TGLs = 8-19]			
* Thymus		Carcinoma	Metastatic (Uterus)
* Uterus	Endometrium	Carcinoma	
[Carcinoma TGLs = 3-15]			

PRIMARY CAUSE OF DEATH - Uterus Endometrium Carcinoma

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 397

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 1-3]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 07/06/2010
 Time Report Requested: 13:08:07
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

ANIMAL NUM: 398

TMT: 8

SEX: Female

DAY ON TEST: 645

DOSE: 300 mg/kg

DISP: Moribund Sacrifice

HISTO: 0900828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-13]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Carcinoma	
	[Carcinoma TGLs = 3-14]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 399

TMT: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland [Cyst TGLs = 2-14]		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Lymphatic	Ectasia	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Minimal
* Lung [Infiltration Cellular TGLs = 3-3+4]	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland [Fibroadenoma TGLs = 1-13]		Fibroadenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

TDMS No. 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 07/06/2010
Time Report Requested: 13:08:07
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

ANIMAL NUM: 400

TMT: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 mg/kg

DISP: Terminal Sacrifice

HISTO: 0900830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Lymphatic	Ectasia	Moderate
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Minimal
[Inflammation TGLs = 1-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

*** END OF REPORT ***