

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

C Number:	C88038
Lock Date:	01/24/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Prostate	Fibrosis	Mild
	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* 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
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* 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	* 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

* Kidney	Nephropathy	Mild
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* 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

* Kidney	Nephropathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-21]		
* Lymph Node, Mesenteric	Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Spleen	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Jejunum
* Lung
* Nose
* Preputial Gland
* Skin
* Testes
* Urinary Bladder

* Blood Vessel
* Epididymis
* Intestine Large, Colon
* Islets, Pancreatic
* Lymph Node, Mandibular
* Pancreas
* Prostate
* Spleen
* Thymus

* Bone
* Esophagus
* Intestine Large, Rectum
* Kidney
* Lymph Node, Mesenteric
* Parathyroid Gland
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

MISSING

* Intestine Small, Ileum

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Prostate	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Colon

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Prostate	Inflammation	Suppurative, Minimal
* Thyroid Gland	Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Prostate	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Ileum
- * Lung
- * Nose
- * Preputial Gland
- * Skin
- * Testes
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Prostate
- * Spleen
- * Thymus

- * Blood Vessel
- * Epididymis
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Small, Duodenum
- * Liver
- * Mammary Gland
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

MISSING

- * Intestine Large, Cecum

OBSERVATIONS

- * Kidney Nephropathy Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 3
DOSE: 1 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: 91-57372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12

TRT#: 3
DOSE: 1 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: 91-57373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 14	TRT#: 3	SEX: Male	DAY ON TEST: 92
	DOSE: 1 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17	TRT#: 3 DOSE: 1 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 91-57378
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18

TRT#: 3
DOSE: 1 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: 91-57379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19	TRT#: 3	SEX: Male	DAY ON TEST: 92
	DOSE: 1 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20

TRT#: 3
DOSE: 1 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: 91-57381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 21	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 2 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric * Salivary Glands

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Nephropathy	Minimal
Liver	Hepatodiaphragmatic Nodule	

[Hepatodiaphragmatic Nodule TGLS = 2-21]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Salivary Glands

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

Mesentery

Accessory Spleen

[Accessory Spleen TGLS = 1-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mesenteric

* Salivary Glands

INSUFFICIENT TISSUE

* Lymph Node, Mandibular

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24

TRT#: 5
DOSE: 2 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: 91-57355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 2 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27	TRT#: 5 DOSE: 2 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 91-57358
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL * Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS * Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 2 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31	TRT#: 7	SEX: Male	DAY ON TEST: 92
	DOSE: 4 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Renal Tubule	Dilatation	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 7 DOSE: 4 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 91-57335
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Papilla	Cytoplasmic Alteration Mineralization	Minimal Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 37	TRT#: 7	SEX: Male	DAY ON TEST: 92
	DOSE: 4 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38	TRT#: 7	SEX: Male	DAY ON TEST: 92
	DOSE: 4 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Salivary Glands

OBSERVATIONS

* Kidney

Inflammation

Chronic, Minimal

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39	TRT#: 7	SEX: Male	DAY ON TEST: 92
	DOSE: 4 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40	TRT#: 7	SEX: Male	DAY ON TEST: 92
	DOSE: 4 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Salivary Glands
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Lymph Node, Mesenteric	Hemorrhage	Moderate
* Salivary Glands	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 42	TRT#: 9	SEX: Male	DAY ON TEST: 92
	DOSE: 8 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Cytoplasmic Alteration	Mild
	Renal Tubule	Dilatation	Mild
		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 1-21]			
* Salivary Glands		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Pituitary Gland
* Skin
* Testes
* Urinary Bladder

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Nose
* Preputial Gland
* Spleen
* Thymus

* Blood Vessel
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pancreas
* Prostate
* Stomach, Forestomach
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

OBSERVATIONS

* Kidney

* Salivary Glands

Papilla

Cytoplasmic Alteration
Nephropathy
Atrophy

Minimal
Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Blood Vessel

* Bone

* Bone Marrow

* Brain

* Epididymis

* 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

* Mammary Gland

* Nose

* Pancreas

* Parathyroid Gland

* Pituitary Gland

* Preputial Gland

* Seminal Vesicle

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Testes

* Thymus

* Thyroid Gland

* Trachea

* Urinary Bladder

OBSERVATIONS

* Kidney

Papilla

Cytoplasmic Alteration

Mild

* Lymph Node, Mesenteric

Nephropathy

Minimal

* Prostate

Hemorrhage

Mild

* Salivary Glands

Inflammation

Suppurative, Minimal

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Mammary Gland
- * Pituitary Gland
- * Spleen
- * Thymus

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Thyroid Gland

- * Blood Vessel
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Skin
- * Testes
- * Urinary Bladder

OBSERVATIONS

- * Kidney
- * Prostate
- * Salivary Glands

Nephropathy
 Inflammation
 Atrophy

Minimal
 Suppurative, Minimal
 Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Cytoplasmic Alteration	Minimal
* Salivary Glands		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Dilatation	Mild
* Salivary Glands		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48	TRT#: 9	SEX: Male	DAY ON TEST: 92
	DOSE: 8 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Salivary Glands	Atrophy	Minimal
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Cytoplasmic Alteration	Mild
	Renal Tubule	Dilatation	Mild
* Salivary Glands		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Small, Ileum	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Cytoplasmic Alteration	Mild
* Salivary Glands		Atrophy	Moderate
* Skin		Acanthosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * 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 | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | |
|--------------------------|-----------------|----------|
| * Epididymis | Atypia Cellular | |
| | Hypospermia | |
| * Lymph Node, Mesenteric | Hemorrhage | Minimal |
| * Salivary Glands | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * 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 | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|-------------------|-----------------------------------|----------|
| * Adrenal Cortex | Accessory Adrenal Cortical Nodule | |
| * Epididymis | Atypia Cellular | |
| | Hypospermia | |
| * Salivary Glands | Atrophy | Moderate |
| * Thymus | Hemorrhage | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Intestine Small, Duodenum

OBSERVATIONS

- | | |
|-------------------|-----------------|
| * Epididymis | Atypia Cellular |
| | Hyospermia |
| * Salivary Glands | Atrophy |
| | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	
* Epididymis	Atypia Cellular	
	Hypospermia	
* Prostate	Inflammation	Chronic, Moderate
* Salivary Glands	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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
* 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			

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis

Atypia Cellular
Hypospermia

PRIMARY CAUSE OF DEATH

-

Animal Note: SUBMANDIBULAR SALIVARY GLAND NOT PRESENT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis	Atypia Cellular	
	Hyospermia	
* Salivary Glands	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis	Atypia Cellular	
	Hypospermia	
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Prostate	Inflammation	Chronic, Mild
* Salivary Glands	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	
* Epididymis	Atypia Cellular	
	Hypospermia	
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Prostate	Inflammation	Chronic, Minimal
* Salivary Glands	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis	Atypia Cellular	
	Hypospermia	
	Hepatodiaphragmatic Nodule	
* Liver [Hepatodiaphragmatic Nodule TGLS = 1-21]	Hemorrhage	Minimal
* Lymph Node, Mandibular	Atrophy	Moderate
* Salivary Glands	Inflammation	Chronic, Mild
* Seminal Vesicle		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis	Atypia Cellular	
	Hypospermia	
* Salivary Glands	Atrophy	Mild
* Testes	Degeneration	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Pancreas	Atrophy	Minimal
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PRIMARY CAUSE OF DEATH -

Animal Note: MAMMARY GLAND IS ON SLIDE 8-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Mineralization	Mild
* Uterus	Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral 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 | * Uterus | |

MISSING

- * Esophagus

OBSERVATIONS

- | | | |
|----------|----------------|---------|
| * Kidney | Mineralization | Minimal |
|----------|----------------|---------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	
* Kidney	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Esophagus
- * Intestine Small, Duodenum
- * Lung
- * Nose
- * Pituitary Gland
- * Stomach, Forestomach
- * Trachea

- * Blood Vessel
- * Heart
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Ovary
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Bone
- * Intestine Large, Cecum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pancreas
- * Skin
- * Thymus

- * Bone Marrow
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland

MISSING

- * Intestine Large, Colon

OBSERVATIONS

- * Adrenal Medulla
- * Brain
- * Clitoral Gland
- * Kidney
- * Liver
- * Uterus

- Inflammation
- Inflammation
- Inflammation
- Inflammation
- Mineralization
- Inflammation
- Hydrometra

- Chronic, Moderate
- Chronic, Minimal
- Chronic, Minimal
- Chronic, Mild
- Minimal
- Chronic, Mild
- Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney	Mineralization	Moderate
----------	----------------	----------

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney	Mineralization	Moderate
----------	----------------	----------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	
* Kidney	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 70

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule
* Nose	Exudate
* Thyroid Gland	Ultimobranchial Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:51

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:51
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 75

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

OBSERVATIONS

Liver	Hepatodiaphragmatic Nodule
[Hepatodiaphragmatic Nodule TGLS = 1-21]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 78	TRT#: 4	SEX: Female	DAY ON TEST: 93
	DOSE: 1 MG/ML	DISP: Terminal Sacrifice	HISTO: 91-57389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

OBSERVATIONS

Ovary	Cyst	
[Cyst TGLS = 1-7]		
Uterus	Hydrometra	Moderate
[Hydrometra TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 80

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

OBSERVATIONS

Ovary

Cyst

[Cyst TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57363

OBSERVATIONS

Liver

[Hepatodiaphragmatic Nodule TGLS = 1-21]

* Lymph Node, Mesenteric

Hepatodiaphragmatic Nodule

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 83

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 84

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57365

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 85

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

OBSERVATIONS

Uterus

Hydrometra

Marked

[Hydrometra TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57370

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 90

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57371

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57343

OBSERVATIONS

* Lymph Node, Mesenteric

Uterus

[Hydrometra TGLS = 1-7]

Hemorrhage

Hydrometra

Minimal

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 93

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57344

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

Uterus

Hydrometra

Moderate

[Hydrometra TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57345

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 95

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57346

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57347

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 98

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57349

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 99

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 4 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57350

OBSERVATIONS

* Lymph Node, Mesenteric

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 100

TRT#: 8
DOSE: 4 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 93
HISTO: 91-57351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung * Lymph Node, Mesenteric

OBSERVATIONS

Uterus [Hydrometra TGLS = 1-7] Hydrometra Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Nose
- * Pituitary Gland
- * Stomach, Forestomach
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Ovary
- * Salivary Glands
- * Stomach, Glandular
- * Uterus

- * Blood Vessel
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Skin
- * Thymus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Parathyroid Gland
- * Spleen
- * Trachea

OBSERVATIONS

- * Kidney
- * Lymph Node, Mesenteric
- * Thyroid Gland

- Mineralization
- Nephropathy
- Hemorrhage
- Ultimobranchial Cyst

- Minimal
- Minimal
- Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 103

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow	Myelofibrosis	Minimal
* Thyroid Gland	Ultimobranchial Cyst	
* Uterus	Hydrometra	Moderate

[Hydrometra TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Bone Marrow

* Heart

* Intestine Small, Duodenum

* Kidney

* Lymph Node, Mesenteric

* Pancreas

* Spleen

* Thyroid Gland

* Adrenal Medulla

* Brain

* Intestine Large, Cecum

* Intestine Small, Ileum

* Liver

* Mammary Gland

* Parathyroid Gland

* Stomach, Forestomach

* Trachea

* Blood Vessel

* Clitoral Gland

* Intestine Large, Colon

* Intestine Small, Jejunum

* Lung

* Nose

* Salivary Glands

* Stomach, Glandular

* Urinary Bladder

* Bone

* Esophagus

* Intestine Large, Rectum

* Islets, Pancreatic

* Lymph Node, Mandibular

* Ovary

* Skin

* Thymus

OBSERVATIONS

* Pituitary Gland

Pars Distalis

Cyst

* Uterus

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: SLIDE 4; CONSIDERED ARTIFACT

Animal Note: BROWNISH-BLACK GRANULAR MATERIAL IN STOMACH SECTION ON

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * 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 | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|--|----------------------------|------------------|
| * Kidney | Mineralization | Minimal |
| * Liver | Hepatodiaphragmatic Nodule | |
| | Inflammation | Chronic, Minimal |
| [Hepatodiaphragmatic Nodule TGLS = 1-21] | | |
| * Lymph Node, Mesenteric | Hemorrhage | Mild |
| * Thyroid Gland | Ultimobranchial Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 106

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* 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	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Intestine Large, Colon	* Parathyroid Gland
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OBSERVATIONS

* Uterus	Hydrometra	Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 107

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* 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

* Kidney	Mineralization	Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 108

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Mineralization	Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Ovary	Cyst	

[Cyst TGLS = 1-7]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|--------------------------|----------------|----------|
| * Kidney | Mineralization | Minimal |
| * Lymph Node, Mesenteric | Hemorrhage | Minimal |
| * Uterus | Hydrometra | Moderate |

[Hydrometra TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 110

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 8 MG/ML

DISP: Terminal Sacrifice

HISTO: 91-57331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* 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

* Kidney	Mineralization	Mild
* Lymph Node, Mesenteric	Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Developmental Malformation	
* Kidney	Mineralization	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney	Mineralization	Minimal
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney	Mineralization	Minimal
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney	Mineralization	Minimal
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:52
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88038-01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Glyoxal

CAS Number: 107-22-2

Date Report Requested: 10/17/2014

Time Report Requested: 13:22:52

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 12

DOSE: 16 MG/ML

DISP: Moribund Sacrifice

HISTO: 91-57291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Nose
- * Pituitary Gland
- * Stomach, Forestomach
- * Trachea

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Ovary
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Blood Vessel
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Skin
- * Thymus
- * Uterus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney Mineralization Minimal

PRIMARY CAUSE OF DEATH -

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE