

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>C Number:</b>	C99024C
<b>Lock Date:</b>	11/15/2002
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * 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

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |            |                                  |                   |
|-------------------|------------|----------------------------------|-------------------|
| * Heart           |            | Cardiomyopathy                   | Focal, Minimal    |
| * Kidney          |            | Nephropathy                      | Minimal           |
| * Liver           |            | Hematopoietic Cell Proliferation | Focal, Minimal    |
|                   |            | Vacuolization Cytoplasmic        | Focal, Minimal    |
| * Salivary Glands | Parotid GI | Basophilic Focus                 | Multiple, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |            |                           |                            |
|-------------------|------------|---------------------------|----------------------------|
| * Heart           |            | Cardiomyopathy            | Focal, Minimal             |
| * Liver           |            | Inflammation              | Chronic, Focal, Minimal    |
|                   |            | Vacuolization Cytoplasmic | Focal, Minimal             |
| * Lung            | Alveolus   | Infiltration Cellular     | Histiocyte, Focal, Minimal |
| * Pancreas        | Acinus     | Atrophy                   | Focal, Minimal             |
| * Salivary Glands | Parotid GI | Basophilic Focus          | Multiple, Minimal          |

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101170
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node, 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		

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Hemorrhage	Focal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Focal, Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101171

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* 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			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Lung	Alveolus	Hemorrhage	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Thymus		Necrosis	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Focal, Mild
Note: Hyperplasia occurs in a region of acinar atrophy and fibrosis.			
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[ Hemorrhage TGLS = 2-3 ]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular		Inflammation	Granulomatous, Mild
* Thymus		Necrosis	Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101173

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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* 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		

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney	Renal Tubule	Mineralization	Focal, Minimal
* Liver		Vacuolization Cytoplasmic	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 7

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101174

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * 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

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |            |                                  |                   |
|-------------------|------------|----------------------------------|-------------------|
| * Heart           |            | Cardiomyopathy                   | Focal, Minimal    |
| * Kidney          |            | Nephropathy                      | Minimal           |
| * Liver           |            | Hematopoietic Cell Proliferation | Focal, Minimal    |
|                   |            | Vacuolization Cytoplasmic        | Focal, Minimal    |
| * Salivary Glands | Parotid GI | Basophilic Focus                 | Multiple, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101176
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Vacuolization Cytoplasmic	Focal, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101177

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* 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**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101178

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex

Liver

Mammary Gland

Prostate

Thyroid Gland

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**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 12

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101179

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Prostate

Thyroid Gland

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 3 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101180
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Prostate	Thyroid Gland
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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Mild
Liver	Vacuolization Cytoplasmic	Focal, Minimal

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101181

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

Thyroid Gland

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**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 15

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101182

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex

Liver

Prostate

Thyroid Gland

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 3 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101183
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	Thyroid Gland
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**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Mild
Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]		
Testes		Atrophy	Marked
	[ Atrophy TGLS = 2-7 ]		

---

PRIMARY CAUSE OF DEATH

---

-

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 3 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101184
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

Mesentery

Vacuolization Cytoplasmic

Focal, Mild

[ Necrosis TGLS = 1-21 ]

Necrosis

Fatty, Focal, Mild

Prostate

Infiltration Cellular

Lymphocyte, Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101185

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Prostate

Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Mild

Liver

Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 3 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101186
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Prostate	Thyroid Gland
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---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 3 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101187
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	Thyroid Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 5 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101188
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	Thyroid Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 5 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101189
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	Thyroid Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Hepatodiaphragmatic Nodule	
	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101190

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 5 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101191
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Prostate	Thyroid Gland
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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101192

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Liver

Mammary Gland

Prostate

Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 5 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101193
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	Thyroid Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Hepatodiaphragmatic Nodule Vacuolization Cytoplasmic	Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 5 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101194
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	Thyroid Gland
----------------	---------------	----------	---------------

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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Mild

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 28

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101195

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 5 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101196
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Prostate	Thyroid Gland
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**MISSING**

Mammary Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Vacuolization Cytoplasmic	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 30

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101197

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 31

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101198

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 32

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101199

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 33

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101200

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101201

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Mammary Gland	Prostate	* Thyroid Gland
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**OBSERVATIONS**

Adrenal Cortex	Accessory Adrenal Cortical Nodule	
Heart	Cardiomyopathy	Focal, Minimal
Liver	Hepatodiaphragmatic Nodule	
	Vacuolization Cytoplasmic	Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 35

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101202

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Prostate

\* Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Vacuolization Cytoplasmic

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101203

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
----------------	---------------	----------	-----------------

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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Mild
Liver	Inflammation	Chronic, Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101204

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

<b>NORMAL</b>			
Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Focal, Minimal
Liver		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101205

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Vacuolization Cytoplasmic	Focal, Mild

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101206

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Prostate	* Thyroid Gland
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**MISSING**

Mammary Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Vacuolization Cytoplasmic	Focal, Mild

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 7 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101207
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Hematopoietic Cell Proliferation	Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 9 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101208
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Prostate	* Thyroid Gland
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---

**MISSING**

Mammary Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Vacuolization Cytoplasmic	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 42

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101209

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Mild

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 9 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101210
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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<b>NORMAL</b>			
Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Focal, Mild
Liver		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 44

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101211

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Heart

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Liver

Vacuolization Cytoplasmic

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 9 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101212
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Prostate	Thymus	* Thyroid Gland
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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Vacuolization Cytoplasmic	Focal, Minimal

---

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 9 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101213
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
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---

**OBSERVATIONS**

---

Heart	Cardiomyopathy	Focal, Minimal
Liver	Vacuolization Cytoplasmic	Focal, Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 47

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101214

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Vacuolization Cytoplasmic

Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 48

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101215

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

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**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Vacuolization Cytoplasmic

Focal, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 49

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101216

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Prostate

\* Thyroid Gland

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

Vacuolization Cytoplasmic

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 9 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101217
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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<b>NORMAL</b>			
Adrenal Cortex	Mammary Gland	Prostate	* Thyroid Gland
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Focal, Mild
Liver		Inflammation	Chronic, Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Mild

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 51

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101218

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* 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	

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart	Cardiomyopathy	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Vacuolization Cytoplasmic	Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 52

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101219

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Mild
* Liver		Vacuolization Cytoplasmic	Focal, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* 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

\* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Focal, Moderate
* Liver		Hematopoietic Cell Proliferation	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
[ Hemorrhage TGLS = 1-21 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
	Submandibul GI	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 54

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101221

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

- \* Lymph Node, Mandibular

**OBSERVATIONS**

- |                   |                |                           |                         |
|-------------------|----------------|---------------------------|-------------------------|
| * Heart           |                | Cardiomyopathy            | Focal, Minimal          |
| * Liver           |                | Inflammation              | Chronic, Focal, Minimal |
|                   |                | Vacuolization Cytoplasmic | Focal, Mild             |
| * Pituitary Gland | Pars Distalis  | Cyst                      | Minimal                 |
| * Salivary Glands | Parotid GI     | Basophilic Focus          | Multiple, Minimal       |
|                   | Submandibul GI | Vacuolization Cytoplasmic | Mild                    |
| * Thymus          |                | Necrosis                  | Minimal                 |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 55

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101222

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* 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**

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

**OBSERVATIONS**

* Heart	Cardiomyopathy	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Hematopoietic Cell Proliferation	Focal, Minimal
	Vacuolization Cytoplasmic	Focal, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 56

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101223

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* 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**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 57

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101224

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Lung	Alveolus	Hemorrhage	Focal, Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Thyroid Gland		Cyst	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 58

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101225

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* 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**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * 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

- \* Lymph Node, Mandibular

OBSERVATIONS

- |            |        |                           |                         |
|------------|--------|---------------------------|-------------------------|
| * Heart    |        | Cardiomyopathy            | Focal, Mild             |
| * Liver    |        | Inflammation              | Chronic, Focal, Minimal |
|            |        | Vacuolization Cytoplasmic | Focal, Mild             |
| * Pancreas | Acinus | Atrophy                   | Focal, Minimal          |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101227

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* 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**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Focal, Mild
* Liver		Hematopoietic Cell Proliferation	Focal, Minimal
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Focal, Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]		
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 61

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101228

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* 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**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart	Cardiomyopathy	Focal, Minimal
* Liver	Inflammation	Chronic, Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 62

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101229

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus

- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Kidney
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

**MISSING**

- \* Lymph Node, Mandibular

**OBSERVATIONS**

- \* Heart
  - \* Liver
  - Mesentery
- [ Necrosis TGLS = 1-21 ]

Cardiomyopathy  
 Inflammation  
 Necrosis

Focal, Minimal  
 Chronic, Focal, Minimal  
 Fatty, Focal, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 101230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | Lymph Node               | * 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                 |                            |                           |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |          |                |                         |
|----------|----------------|-------------------------|
| * Heart  | Cardiomyopathy | Focal, Minimal          |
| * Liver  | Inflammation   | Chronic, Focal, Minimal |
| * Thymus | Necrosis       | Minimal                 |
| * Uterus |                |                         |

Note: NO CORRESPONDING LESION FOR TGLS 1-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 101231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * 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

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |            |                       |                         |
|-------------------|------------|-----------------------|-------------------------|
| * Harderian Gland |            | Infiltration Cellular | Lymphocyte, Minimal     |
| * Liver           |            | Inflammation          | Chronic, Focal, Minimal |
| * Lung            |            | Inflammation          | Chronic, Focal, Minimal |
| Lymph Node        | Pancreatic | Infiltration Cellular | Histiocyte, Mild        |
| * Uterus          |            |                       |                         |

Note: NO CORRESPONDING LESION FOR TGLS 1-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 101232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Medulla  
\* Clitoral Gland  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Ovary  
\* Skin  
\* Trachea

\* Bone  
\* Esophagus  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Spleen  
\* Urinary Bladder

\* Bone Marrow  
\* Eye  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Mammary Gland  
\* Parathyroid Gland  
\* Stomach, Forestomach  
\* Uterus

\* Brain  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Kidney  
\* Nose  
\* Pituitary Gland  
\* Stomach, Glandular

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

\* Adrenal Cortex  
\* Liver

Accessory Adrenal Cortical Nodule  
Hepatodiaphragmatic Nodule  
Inflammation

Minimal  
  
Chronic, Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]

\* Salivary Glands  
\* Thymus  
\* Thyroid Gland  
\* Uterus

Parotid GI

Basophilic Focus  
Necrosis  
Infiltration Cellular

Minimal  
Minimal  
Lymphocyte, Minimal

Note: NO CORRESPONDING LESIONS FOR TGLS 1-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 101233

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Liver		Hematopoietic Cell Proliferation	Focal, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 101234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Focal, Minimal
* Lung	Alveolus	Hemorrhage	Focal, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Uterus			

Note: NO CORRELATING LESIONS FOR TGLS 2-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:22

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 101235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* 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

\* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Fatty, Focal, Mild
[ Necrosis TGLS = 1-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 69

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101236

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Salivary Glands	Parotid GI	Atrophy	Minimal
	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 70

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101237

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 71

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101238

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

Uterus

Note: NO CORRELATING LESIONS FOR TGLS 2-7.

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 1 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101239

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal

---

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 73

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101240

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Uterus

Heart

Mammary Gland

Ovary

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 4 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101241
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Mammary Gland	Ovary	Uterus
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---

**OBSERVATIONS**

Adrenal Cortex	Accessory Adrenal Cortical Nodule	
Heart	Cardiomyopathy	Focal, Minimal
Liver	Hepatodiaphragmatic Nodule Inflammation	Chronic, Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 75

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101242

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Heart

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 76

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101243

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 4 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101244
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Liver	Mammary Gland	Ovary
Uterus			

---

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Uterus		

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Note: NO CORRELATING LESIONS FOR TGLS 1-7.

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**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 78

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101245

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 4 <b>DOSE:</b> 1 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101246
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Uterus

Heart

Mammary Gland

Ovary

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**OBSERVATIONS**

Liver  
Hepatodiaphragmatic Nodule  
Inflammation

Chronic, Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]

Ovary

Note: NO CORRELATING LESIONS FOR TGLS 1-7.

Uterus

Note: NO CORRELATING LESIONS FOR TGLS 3-7.

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 80

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101247

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

Ovary

Note: NO CORRELATING LESIONS FOR TGLS 1-7.

Uterus

Note: NO CORRELATING LESIONS FOR TGLS 2-7.

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 81

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101248

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Heart

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 82

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101249

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Heart

Liver

Mammary Gland

Ovary

Uterus

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 6 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101250
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Mild
Uterus		

Note: NO CORRELATING LESION FOR TGLS 1-7.

Vagina

Note: NO CORRELATING LESIONS FOR TGLS 2-7.

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 6 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101251
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic, Focal, Mild

[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]

Uterus

Note: NO CORRELATING LESIONS FOR TGLS 1-7.

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 6 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101252
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex  
Uterus

Heart

Mammary Gland

Ovary

---

**OBSERVATIONS**

Liver  
Hepatodiaphragmatic Nodule  
Inflammation

Chronic, Focal, Mild

[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101253

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]		
Uterus		

Note: NO CORRELATING LESION FOR TGLS 1-7.

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 6 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101254
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Liver	Mammary Gland	Ovary
Uterus			

---

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Uterus		

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Note: NO CORRELATING LESIONS FOR TGLS 1-7.

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 88

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101255

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

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**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Hepatodiaphragmatic Nodule

Inflammation

Chronic, Focal, Mild

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 6 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101256
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Adrenal Medulla		Cytoplasmic Alteration	Focal, Minimal
Heart		Cardiomyopathy	Focal, Minimal
Liver		Hepatodiaphragmatic Nodule	

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 90	<b>TRT#:</b> 6 <b>DOSE:</b> 5 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101257
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Mild
Ovary		

Note: NO CORRELATING LESIONS FOR TGLS 1-7.

---

**PRIMARY CAUSE OF DEATH**

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 8 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101258
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Uterus
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
Ovary	Cyst	Minimal

[ Cyst TGLS = 1-7 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 92

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101259

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 8 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101260
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 8 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101261
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
----------------	---------------	-------	--------

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**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Liver		Inflammation	Chronic, Focal, Mild

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 8 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101262
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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<b>NORMAL</b> Adrenal Cortex Uterus	Heart	Mammary Gland	Ovary
<b>OBSERVATIONS</b> Liver		Inflammation	Chronic, Focal, Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 96

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101263

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Heart

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 8 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101264
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

<b>NORMAL</b> Adrenal Cortex Uterus	Heart	Mammary Gland	Ovary
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<b>OBSERVATIONS</b> Liver	Inflammation	Chronic, Focal, Minimal
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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 8 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101265
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic, Focal, Mild

[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]

Uterus

Note: NO CORRELATING LESIONS FOR TGLS 2-7.

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 99

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101266

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:22

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 100

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101267

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:22  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 101

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Hepatodiaphragmatic Nodule

Inflammation

Chronic, Focal, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]

Ovary

Note: NO CORRELATING LESION FOR TGLS 1-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:23  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 102	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101269

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Mammary Gland	Ovary	Uterus
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 103

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101270

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

Ovary

Note: NO CORRELATING LESION FOR TGLS 1-7.

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:23  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 104	<b>TRT#:</b> 10 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101271
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Mild

Liver

Inflammation

Chronic, Focal, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 105

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101272

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Adrenal Cortex

Accessory Adrenal Cortical Nodule

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

Ovary

Note: NO CORRELATING LESION FOR TGLS 1-7.

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 106

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101273

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 107

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101274

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

Ovary

Note: ONE OF PAIR MISSING.

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:23  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 108	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 101275

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

---

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:23  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 109

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Mammary Gland

Ovary

Uterus

**OBSERVATIONS**

Heart

Cardiomyopathy

Focal, Minimal

Liver

Inflammation

Chronic, Focal, Minimal

Uterus

Note: NO CORRELATING LESION FOR TGLS 1-7.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Androstenedione  
**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:29:23  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 110	<b>TRT#:</b> 10 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 101277
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Uterus

Heart

Mammary Gland

Ovary

---

**OBSERVATIONS**

Liver  
Uterus

Inflammation

Chronic, Focal, Mild

---

Note: NO CORRELATING LESION FOR TGLS 1-7.

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 111

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
* Lung	Alveolus	Hemorrhage	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 112

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101279

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
* Lung	Alveolus	Hemorrhage	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 113

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101280

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Mammary Gland             | * Nose                   | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Skin                     | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                           |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                          |            |                       |                         |
|--------------------------|------------|-----------------------|-------------------------|
| * Heart                  |            | Cardiomyopathy        | Focal, Minimal          |
| * Liver                  |            | Inflammation          | Chronic, Focal, Minimal |
| * Lung                   | Alveolus   | Hemorrhage            | Focal, Minimal          |
| * Lymph Node, Mesenteric |            | Infiltration Cellular | Histiocyte, Minimal     |
| * Salivary Glands        | Parotid GI | Basophilic Focus      | Multiple, Minimal       |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus

- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Kidney
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |         |                |                         |
|---------|----------------|-------------------------|
| * Heart | Cardiomyopathy | Focal, Minimal          |
| * Liver | Inflammation   | Chronic, Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
* Lung	Alveolus	Hemorrhage	Focal, Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Uterus			

Note: NO CORRELATING LESION FOR TGLS 1-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Lab: SRI

ANIMAL ID: 117

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SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Liver                     | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |
| * Uterus                    |                          |                            |                           |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |            |                |                         |
|-------------------|------------|----------------|-------------------------|
| * Heart           |            | Cardiomyopathy | Focal, Minimal          |
| * Lung            |            | Inflammation   | Chronic, Focal, Minimal |
| * Salivary Glands | Parotid GI | Atrophy        | Minimal                 |
| * Uterus          |            |                |                         |

Note: NO CORRELATING LESIONS FOR TGLS 1-7.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Inflammation	Chronic, Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Thyroid Gland		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-05

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

**CAS Number:** 63-05-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:29:23

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 119

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 101286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Brain

\* Harderian Gland

\* Intestine Small, Duodenum

\* Lymph Node, Mesenteric

\* Pancreas

\* Spleen

\* Trachea

\* Adrenal Medulla

\* Clitoral Gland

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Mammary Gland

\* Parathyroid Gland

\* Stomach, Forestomach

\* Urinary Bladder

\* Bone

\* Esophagus

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Nose

\* Pituitary Gland

\* Stomach, Glandular

\* Uterus

\* Bone Marrow

\* Eye

\* Intestine Large, Rectum

\* Kidney

\* Ovary

\* Skin

\* Thymus

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

\* Heart

\* Liver

\* Lung

\* Salivary Glands

\* Thyroid Gland

Cardiomyopathy

Inflammation

Hemorrhage

Basophilic Focus

Ultimobranchial Cyst

Focal, Minimal

Chronic, Focal, Mild

Focal, Minimal

Multiple, Minimal

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 99024-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Androstenedione

CAS Number: 63-05-8

Date Report Requested: 10/21/2014

Time Report Requested: 18:29:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 101287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Skin
- \* Thymus
- \* Uterus

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Kidney
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Heart
  - \* Liver
- [ Hepatodiaphragmatic Nodule TGLS = 1-21 ]
- \* Salivary Glands

- Cardiomyopathy
- Hepatodiaphragmatic Nodule
- Inflammation
- Basophilic Focus

- Focal, Minimal
- Chronic, Focal, Minimal
- Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE