

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99024B
<b>Lock Date:</b>	Not Entered.
<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:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 101	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 2012141
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Heart
* Kidney	* Liver	* Mammary Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Testes	

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**OBSERVATIONS**

* Lung	Alveolus Perivascular	Infiltration Cellular Infiltration Cellular Inflammation	Histiocyte, Minimal Mononuclear CI, Mild Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012142

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Prostate

\* Adrenal Medulla  
\* Liver  
\* Seminal Vesicle

\* Epididymis  
\* Mammary Gland  
\* Skin

\* Heart  
\* Pituitary Gland  
\* Testes

**OBSERVATIONS**

\* Lung

Alveolus  
Perivascular

Infiltration Cellular  
Infiltration Cellular

Histiocyte, Minimal  
Mononuclear CI, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 103

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012143

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Seminal Vesicle

\* Adrenal Medulla  
\* Mammary Gland  
\* Skin

\* Epididymis  
\* Pituitary Gland  
\* Testes

\* Heart  
\* Prostate

**OBSERVATIONS**

\* Liver  
\* Lung

Perivascular

Infiltration Cellular  
Infiltration Cellular

Mononuclear CI, Minimal  
Mononuclear CI, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 104

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012144

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Skin

\* Adrenal Medulla  
\* Mammary Gland  
\* Testes

\* Epididymis  
\* Pituitary Gland

\* Heart  
\* Seminal Vesicle

**OBSERVATIONS**

\* Liver                      Centrilobular, Hepatocyte  
  
\* Lung                        Alveolus  
                                  Perivascular  
  
\* Prostate

Cytoplasmic Alteration  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular

Minimal  
Mononuclear CI, Minimal  
Histiocyte, Minimal  
Mononuclear CI, Mild  
Mononuclear CI, Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 105	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 2012145
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Kidney
* Mammary Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Testes		

---

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Liver		Infiltration Cellular	Mononuclear CI, Minimal
* Lung	Perivascular	Infiltration Cellular	Mononuclear CI, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 106

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012146

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 107

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012147

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 108

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012148

---

**OBSERVATIONS**

\* Liver

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 109

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012149

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Minimal

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 110

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012150

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 111

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012151

---

**OBSERVATIONS**

\* Liver

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 112

**TRT#:** 5  
**DOSE:** 5 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 2012152

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration  
Infiltration Cellular

Minimal  
Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 113

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012153

---

**OBSERVATIONS**

\* Liver

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 114

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012154

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 115

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012155

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 116

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012156

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Minimal

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 117

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012157

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Mild

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 118

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012158

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 119

**TRT#:** 7  
**DOSE:** 10 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 2012159

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration  
Infiltration Cellular

Minimal  
Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 120

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012160

---

**OBSERVATIONS**

\* Liver

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 121

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012161

---

**OBSERVATIONS**

\* Liver

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 122

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012162

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 123

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012163

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 124

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012164

---

**OBSERVATIONS**

\* Liver

Infiltration Cellular

Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 125

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012165

---

**OBSERVATIONS**

\* Liver

Centrilobular, Hepatocyte

Cytoplasmic Alteration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 126

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Skin

\* Adrenal Medulla  
\* Pituitary Gland  
\* Testes

\* Epididymis  
\* Prostate

\* Heart  
\* Seminal Vesicle

**OBSERVATIONS**

\* Kidney  
\* Liver

Centrilobular, Hepatocyte

Infiltration Cellular  
Cytoplasmic Alteration  
Infiltration Cellular

Mononuclear CI, Focal, Minimal  
Mild

\* Lung

Bronchiole  
Perivascular

Hyperplasia  
Infiltration Cellular

Mononuclear CI, Minimal  
Focal, Minimal  
Mononuclear CI, Mild

\* Testes

Note: Testes from this animal and some other treated males have changes indistinguishable from processing artifact. There is no difference in testes size subgrossly.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 127	<b>TRT#:</b> 11 <b>DOSE:</b> 50 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 2012167
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Heart
* Kidney	* Mammary Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Testes	

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**OBSERVATIONS**

* Liver	Centrilobular, Hepatocyte	Cytoplasmic Alteration Infiltration Cellular	Minimal Mononuclear CI, Minimal
* Lung	Perivascular	Infiltration Cellular	Mononuclear CI, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 128

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012168

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Skin

\* Adrenal Medulla  
\* Pituitary Gland  
\* Testes

\* Epididymis  
\* Prostate

\* Heart  
\* Seminal Vesicle

**OBSERVATIONS**

\* Kidney  
\* Liver  
\* Lung

Centrilobular, Hepatocyte  
Alveolar Epith  
Perivascular

Infiltration Cellular  
Cytoplasmic Alteration  
Hyperplasia  
Infiltration Cellular

Mononuclear CI, Focal, Minimal  
Minimal  
Focal, Minimal  
Mononuclear CI, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 129

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012169

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Skin

\* Adrenal Medulla  
\* Pituitary Gland  
\* Testes

\* Epididymis  
\* Prostate

\* Heart  
\* Seminal Vesicle

**OBSERVATIONS**

\* Kidney  
\* Liver

Centrilobular, Hepatocyte

Infiltration Cellular  
Cytoplasmic Alteration

Mononuclear CI, Focal, Minimal  
Mild

\* Lung

Alveolus  
Perivascular

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular

Mononuclear CI, Minimal  
Histiocyte, Minimal  
Mononuclear CI, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 130

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012170

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Testes

\* Adrenal Medulla  
\* Pituitary Gland

\* Epididymis  
\* Seminal Vesicle

\* Heart  
\* Skin

**OBSERVATIONS**

\* Kidney  
\* Liver  
\* Lung  
\* Prostate

Centrilobular, Hepatocyte  
Perivascular

Infiltration Cellular  
Cytoplasmic Alteration  
Infiltration Cellular  
Hyperplasia

Mononuclear CI, Focal, Minimal  
Minimal  
Mononuclear CI, Mild  
Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 131

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 2012171

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Skin

\* Adrenal Medulla  
\* Mammary Gland  
\* Uterus

\* Heart  
\* Ovary  
\* Vagina

\* Kidney  
\* Pituitary Gland

**OBSERVATIONS**

\* Lung  
  
\* Vagina  
Note: Estrus

Perivascular

Infiltration Cellular  
Thrombosis

Mononuclear CI, Mild  
Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 132	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 2012172
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Heart	* Kidney
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Uterus	* Vagina		

---

**OBSERVATIONS**

* Liver		Infiltration Cellular	Mononuclear CI, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Mononuclear CI, Mild
* Vagina			
Note: Estrus			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 133

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 2012173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Uterus

\* Adrenal Medulla  
\* Ovary  
\* Vagina

\* Heart  
\* Pituitary Gland

\* Kidney  
\* Skin

**OBSERVATIONS**

\* Liver  
\* Lung  
  
\* Vagina  
Note: Estrus

Alveolus  
Perivascular

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular

Mononuclear CI, Minimal  
Histiocyte, Minimal  
Mononuclear CI, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 134

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 2012174

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Uterus

\* Adrenal Medulla  
\* Ovary  
\* Vagina

\* Heart  
\* Pituitary Gland

\* Kidney  
\* Skin

**OBSERVATIONS**

\* Liver  
\* Lung  
\* Vagina  
Note: Estrus

Perivascular

Infiltration Cellular  
Infiltration Cellular

Mononuclear CI, Minimal  
Mononuclear CI, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 135

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 2012175

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Vagina

\* Adrenal Medulla  
\* Ovary

\* Heart  
\* Skin

\* Liver  
\* Uterus

**OBSERVATIONS**

\* Kidney  
\* Lung  
\* Pituitary Gland  
\* Vagina  
Note: Estrus

Perivascular

Mineralization  
Infiltration Cellular  
Cyst

Focal, Minimal  
Mononuclear CI, Mild  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 136

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012176

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 137

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012177

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 138

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012178

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 139

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012179

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 140

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 1 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012180

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 141

**TRT#:** 6

**DOSE:** 5 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 2012181

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 142

**TRT#:** 6

**DOSE:** 5 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 2012182

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 143

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012183

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 144

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012184

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 145

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012185

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 146

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012186

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 147

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012187

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 148

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012188

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 149

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012189

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 150

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012190

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 151

**TRT#:** 10

**DOSE:** 20 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 2012191

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 152

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012192

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 153

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012193

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 154

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012194

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 155

**TRT#:** 10

**DOSE:** 20 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 2012195

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99024-03

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Androstenedione

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

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 12:04:39

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

**Lab:** BAT

---

**ANIMAL ID:** 156

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012196

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Heart

\* Kidney

\* Liver

\* Mammary Gland

\* Ovary

\* Pituitary Gland

\* Skin

\* Uterus

\* Vagina

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**OBSERVATIONS**

\* Lung

Perivascular

Infiltration Cellular

Mononuclear CI, Mild

\* Vagina

Note: Diestrus

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 157

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Vagina

\* Adrenal Medulla  
\* Pituitary Gland

\* Heart  
\* Skin

\* Kidney  
\* Uterus

**OBSERVATIONS**

\* Liver  
\* Lung  
  
\* Ovary  
\* Vagina  
Note: Proestrus

Alveolus  
Perivascular

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Cyst

Mononuclear CI, Minimal  
Histiocyte, Minimal  
Mononuclear CI, Mild  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 158	<b>TRT#:</b> 12 <b>DOSE:</b> 50 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 2012198
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Heart	* Kidney
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Uterus	* Vagina		

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**OBSERVATIONS**

* Liver		Infiltration Cellular	Mononuclear CI, Minimal
* Lung	Perivascular	Infiltration Cellular	Mononuclear CI, Mild
* Vagina			
Note: Diestrus			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 159

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012199

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Pituitary Gland

\* Adrenal Medulla  
\* Skin

\* Mammary Gland  
\* Uterus

\* Ovary  
\* Vagina

**OBSERVATIONS**

\* Heart  
\* Kidney  
\* Liver  
\* Lung  
\* Vagina

Perivascular

Cardiomyopathy  
Mineralization  
Infiltration Cellular  
Infiltration Cellular

Minimal  
Focal, Minimal  
Mononuclear CI, Minimal  
Mononuclear CI, Mild

Note: Proestrus

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99024-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 12:04:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 160

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 2012200

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Ovary  
\* Vagina

\* Adrenal Medulla  
\* Pituitary Gland

\* Kidney  
\* Skin

\* Mammary Gland  
\* Uterus

**OBSERVATIONS**

\* Heart  
\* Liver  
\* Lung  
  
\* Vagina

Alveolus  
Perivascular

Cardiomyopathy  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular

Minimal  
Mononuclear CI, Minimal  
Histiocyte, Minimal  
Mononuclear CI, Mild

Note: Metestrus

PRIMARY CAUSE OF DEATH

-

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE