

Experiment Number: 99024-06
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/17/2014
Time Report Requested: 16:04:52
First Dose M/F: NA / NA
Lab: SRI

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

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ANDROSTENEDIONE

MALE MOUSE

Organ

Bone Marrow

Lymph Node, Mandibular

Spleen

Thymus

FEMALE MOUSE

Organ

Adrenal Cortex: X-Zone

Bone: Femur

Liver

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Morphology

Hyperplasia

Necrosis Lymphoid

Hyperplasia Lymphoid

Necrosis Lymphoid

Necrosis Lymphoid

Morphology

Atrophy

Vacuolization Cytoplasmic

Fracture

Hematopoietic Cell Proliferation Focal

Hyperplasia Lymphoid

Necrosis Lymphoid

Necrosis Lymphoid

Necrosis Lymphoid

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.673	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Adrenal Cortex: X-Zone						
Atrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Adrenal Cortex: X-Zone						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Bone Marrow						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	4/10 (40%)	1/10 (10%)	2/10 (20%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	4/10.00	1/10.00	2/10.00	5/10.00
POLY-3 PERCENT (g)	0%	0%	40%	10%	20%	50%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	4/10 (40%)	1/10 (10%)	2/10 (20%)	5/10 (50%)
FIRST INCIDENCE	---	---	93(T)	93(T)	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.004**	(e)	P=0.033*	P=0.500	P=0.227	P=0.008**
POLY 1.5	P=0.004**	(e)	P=0.033*	P=0.500	P=0.227	P=0.008**
POLY 6	P=0.004**	(e)	P=0.033*	P=0.500	P=0.227	P=0.008**
COCH-ARM / FISHERS	P=0.007**	(e)	P=0.043*	P=0.500	P=0.237	P=0.016*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.007**	P=0.159	P=0.067	P<0.001**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Bone: Femur						
Fracture						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.673	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Liver						
Hematopoietic Cell Proliferation Focal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.515N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.515N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.515N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.516N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.075N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Liver						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lung: Alveolus						
Hemorrhage Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lymph Node, Mandibular Hyperplasia Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lymph Node, Mandibular						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	3/10 (30%)	3/10 (30%)	3/10 (30%)	0/10 (0%)	4/10 (40%)	4/10 (40%)
POLY-3 RATE (b)	3/10.00	3/10.00	3/10.00	0/10.00	4/10.00	4/10.00
POLY-3 PERCENT (g)	30%	30%	30%	0%	40%	40%
TERMINAL (d)	3/10 (30%)	3/10 (30%)	3/10 (30%)	0/10 (0%)	4/10 (40%)	4/10 (40%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	---	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.259	P=0.678	P=0.678	P=0.095N	P=0.500	P=0.500
POLY 1.5	P=0.259	P=0.678	P=0.678	P=0.095N	P=0.500	P=0.500
POLY 6	P=0.259	P=0.678	P=0.678	P=0.095N	P=0.500	P=0.500
COCH-ARM / FISHERS	P=0.257	P=0.686N	P=0.686N	P=0.105N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.357	P=1.000	P=1.000	P=0.025N*	P=0.327	P=0.327
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lymph Node, Mesenteric						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	6/10 (60%)	7/10 (70%)	5/9 (56%)	8/10 (80%)	4/10 (40%)	5/10 (50%)
POLY-3 RATE (b)	6/10.00	7/10.00	5/9.00	8/10.00	4/10.00	5/10.00
POLY-3 PERCENT (g)	60%	70%	55.6%	80%	40%	50%
TERMINAL (d)	6/10 (60%)	7/10 (70%)	5/9 (56%)	8/10 (80%)	4/10 (40%)	5/10 (50%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	93(T)	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.226N	P=0.500	P=0.601N	P=0.318	P=0.333N	P=0.500N
POLY 1.5	P=0.226N	P=0.500	P=0.601N	P=0.318	P=0.333N	P=0.500N
POLY 6	P=0.226N	P=0.500	P=0.601N	P=0.318	P=0.333N	P=0.500N
COCH-ARM / FISHERS	P=0.222N	P=0.500	P=0.605N	P=0.314	P=0.328N	P=0.500N
MAX-ISO-POLY-3	P=0.305N	P=0.327	P=0.428N	P=0.172	P=0.194N	P=0.334N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Parathyroid Gland Cyst						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	11.1%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.737
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.737
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.737
COCH-ARM / FISHERS	P=0.644	(e)	(e)	(e)	(e)	P=0.737
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.471
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Pituitary Gland: Pars Distalis						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.479
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.479
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.321	(e)	(e)	(e)	(e)	P=0.474
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.152
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Preputial Gland Cyst						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.673	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Prostate						
Infiltration Cellular Lymphocyte Focal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	2/10 (20%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	2/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	20%	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	2/10 (20%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93(T)	---	93(T)	93(T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.253N	P=0.500N	P=0.500	P=0.760	P=0.500N	P=0.500N
POLY 1.5	P=0.253N	P=0.500N	P=0.500	P=0.760	P=0.500N	P=0.500N
POLY 6	P=0.253N	P=0.500N	P=0.500	P=0.760	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.252N	P=0.500N	P=0.500	P=0.763N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.343N	P=0.159N	P=0.274	P=1.000	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Hyperplasia Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.016*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 1.5	P=0.016*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 6	P=0.016*	(e)	(e)	(e)	P=0.500	P=0.227
COCH-ARM / FISHERS	P=0.017*	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	P=0.028*	(e)	(e)	(e)	P=0.159	P=0.067
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	5/10 (50%)	4/10 (40%)	1/10 (10%)	5/10 (50%)	2/10 (20%)	5/10 (50%)
POLY-3 RATE (b)	5/10.00	4/10.00	1/10.00	5/10.00	2/10.00	5/10.00
POLY-3 PERCENT (g)	50%	40%	10%	50%	20%	50%
TERMINAL (d)	5/10 (50%)	4/10 (40%)	1/10 (10%)	5/10 (50%)	2/10 (20%)	5/10 (50%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	93(T)	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.386	P=0.500N	P=0.061N	P=0.664	P=0.174N	P=0.664
POLY 1.5	P=0.386	P=0.500N	P=0.061N	P=0.664	P=0.174N	P=0.664
POLY 6	P=0.386	P=0.500N	P=0.061N	P=0.664	P=0.174N	P=0.664
COCH-ARM / FISHERS	P=0.386	P=0.500N	P=0.070N	P=0.672N	P=0.175N	P=0.672N
MAX-ISO-POLY-3	P=0.381N	P=0.334N	P=0.020N*	P=1.000	P=0.080N	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Necrosis Lymphoid Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	93(T)	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.712	(e)	(e)	P=0.500	P=0.500	(e)
POLY 1.5	P=0.712	(e)	(e)	P=0.500	P=0.500	(e)
POLY 6	P=0.712	(e)	(e)	P=0.500	P=0.500	(e)
COCH-ARM / FISHERS	P=0.715	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.381	(e)	(e)	P=0.159	P=0.159	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Stomach, Glandular Cyst						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	20%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.418N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.311N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Thymus						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	7/10 (70%)	8/10 (80%)	6/10 (60%)	5/10 (50%)	3/10 (30%)	5/10 (50%)
POLY-3 RATE (b)	7/10.00	8/10.00	6/10.00	5/10.00	3/10.00	5/10.00
POLY-3 PERCENT (g)	70%	80%	60%	50%	30%	50%
TERMINAL (d)	7/10 (70%)	8/10 (80%)	6/10 (60%)	5/10 (50%)	3/10 (30%)	5/10 (50%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	93(T)	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.131N	P=0.500	P=0.500N	P=0.329N	P=0.082N	P=0.329N
POLY 1.5	P=0.131N	P=0.500	P=0.500N	P=0.329N	P=0.082N	P=0.329N
POLY 6	P=0.131N	P=0.500	P=0.500N	P=0.329N	P=0.082N	P=0.329N
COCH-ARM / FISHERS	P=0.131N	P=0.500	P=0.500N	P=0.325N	P=0.089N	P=0.325N
MAX-ISO-POLY-3	P=0.102N	P=0.311	P=0.327N	P=0.189N	P=0.032N*	P=0.189N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Thymus						
Necrosis Lymphoid Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	2/10.00	2/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	20%	20%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	93(T)	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.647	(e)	(e)	P=0.227	P=0.227	(e)
POLY 1.5	P=0.647	(e)	(e)	P=0.227	P=0.227	(e)
POLY 6	P=0.647	(e)	(e)	P=0.227	P=0.227	(e)
COCH-ARM / FISHERS	P=0.644	(e)	(e)	P=0.237	P=0.237	(e)
MAX-ISO-POLY-3	P=0.202	(e)	(e)	P=0.067	P=0.067	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Thyroid Gland						
Ectopic Thymus						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.341N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.69	1/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.141	(e)	(e)	(e)	P=0.500	P=0.500
POLY 1.5	P=0.141	(e)	(e)	(e)	P=0.500	P=0.500
POLY 6	P=0.142	(e)	(e)	(e)	P=0.500	P=0.500
COCH-ARM / FISHERS	P=0.137	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.202	(e)	(e)	(e)	P=0.159	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Adrenal Cortex: X-Zone						
Atrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	6/10 (60%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	6/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	60%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	6/10 (60%)	8/9 (89%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	93(T)	82	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	P<0.001**	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	P<0.001**	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	(e)	P<0.001**	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.005**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.000**	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Adrenal Cortex: X-Zone						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL(a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	10%	0%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	9/9 (100%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	82	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.000N**	(e)	(e)	(e)	P=0.000N**	P=NA
POLY 1.5	P=0.000N**	(e)	(e)	(e)	P=0.000N**	P=NA
POLY 6	P=0.000N**	(e)	(e)	(e)	P=0.000N**	P=NA
COCH-ARM / FISHERS	P=0.000N**	(e)	(e)	(e)	P=0.000N**	P=0.000N**
MAX-ISO-POLY-3	P=0.000N**	(e)	(e)	(e)	P=0.000N**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE						
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG	
Bone Marrow							
Hyperplasia							
LESION RATES							
OVERALL(a)	2/10 (20%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	
POLY-3 RATE (b)	2/10.00	1/10.00	1/10.00	0/9.69	1/10.00	0/10.00	
POLY-3 PERCENT (g)	20%	10%	10%	0%	10%	0%	
TERMINAL (d)	2/10 (20%)	1/10 (10%)	1/10 (10%)	0/9 (0%)	1/10 (10%)	0/10 (0%)	
FIRST INCIDENCE	93(T)	93(T)	93(T)	---	93(T)	---	
STATISTICAL TESTS							
POLY 3	P=0.207N	P=0.500N	P=0.500N	P=0.234N	P=0.500N	P=0.227N	
POLY 1.5	P=0.208N	P=0.500N	P=0.500N	P=0.231N	P=0.500N	P=0.227N	
POLY 6	P=0.206N	P=0.500N	P=0.500N	P=0.239N	P=0.500N	P=0.227N	
COCH-ARM / FISHERS	P=0.204N	P=0.500N	P=0.500N	P=0.237N	P=0.500N	P=0.237N	
MAX-ISO-POLY-3	P=0.102N	P=0.274N	P=0.274N	P=0.073N	P=0.274N	P=0.067N	
HISTCONT SAME RTE							
HISTCONT ALL RTES							
CURR VS HC SAME RTE							
CURR VS HC ALL RTES							

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Bone: Femur						
Fracture						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/1.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	82	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.091	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.091	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.091	(e)	(e)
COCH-ARM / FISHERS	P=0.512N	(e)	(e)	P=0.091	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.341	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Liver						
Hematopoietic Cell Proliferation Focal						
LESION RATES						
OVERALL(a)	3/10 (30%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	3/10.00	1/10.00	0/10.00	0/9.69	0/10.00	3/10.00
POLY-3 PERCENT (g)	30%	10%	0%	0%	0%	30%
TERMINAL (d)	3/10 (30%)	1/10 (10%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	3/10 (30%)
FIRST INCIDENCE	93(T)	93(T)	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	P=0.195	P=0.292N	P=0.095N	P=0.101N	P=0.095N	P=0.678
POLY 1.5	P=0.194	P=0.292N	P=0.095N	P=0.098N	P=0.095N	P=0.678
POLY 6	P=0.197	P=0.292N	P=0.095N	P=0.105N	P=0.095N	P=0.678
COCH-ARM / FISHERS	P=0.203	P=0.291N	P=0.105N	P=0.105N	P=0.105N	P=0.686N
MAX-ISO-POLY-3	P=0.092N	P=0.138N	P=0.025N*	P=0.029N*	P=0.025N*	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Liver						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.69	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.706	(e)	(e)	(e)	P=0.500	(e)
POLY 1.5	P=0.706	(e)	(e)	(e)	P=0.500	(e)
POLY 6	P=0.707	(e)	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.707	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.356	(e)	(e)	(e)	P=0.159	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lung: Alveolus						
Hemorrhage Focal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	20%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.401	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.274
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lymph Node, Mandibular Hyperplasia Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.69	0/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	P=0.007**	(e)	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.007**	(e)	(e)	(e)	(e)	P=0.227
POLY 6	P=0.007**	(e)	(e)	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.008**	(e)	(e)	(e)	(e)	P=0.067
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lymph Node, Mandibular						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.69	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.706	(e)	(e)	(e)	P=0.500	(e)
POLY 1.5	P=0.706	(e)	(e)	(e)	P=0.500	(e)
POLY 6	P=0.707	(e)	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.707	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.356	(e)	(e)	(e)	P=0.159	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Lymph Node, Mesenteric						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	2/10 (20%)	5/10 (50%)	6/10 (60%)	6/10 (60%)	6/10 (60%)	3/10 (30%)
POLY-3 RATE (b)	2/10.00	5/10.00	6/10.00	6/10.00	6/10.00	3/10.00
POLY-3 PERCENT (g)	20%	50%	60%	60%	60%	30%
TERMINAL (d)	2/10 (20%)	5/10 (50%)	6/10 (60%)	5/9 (56%)	6/10 (60%)	3/10 (30%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	82	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.375N	P=0.174	P=0.077	P=0.077	P=0.077	P=0.500
POLY 1.5	P=0.375N	P=0.174	P=0.077	P=0.077	P=0.077	P=0.500
POLY 6	P=0.375N	P=0.174	P=0.077	P=0.077	P=0.077	P=0.500
COCH-ARM / FISHERS	P=0.375N	P=0.175	P=0.085	P=0.085	P=0.085	P=0.500
MAX-ISO-POLY-3	P=0.131	P=0.080	P=0.029*	P=0.029*	P=0.029*	P=0.311
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Parathyroid Gland						
Cyst						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Pituitary Gland: Pars Distalis						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/9.69	0/10.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	P=0.399	P=0.500N	P=0.500N	P=0.506N	P=0.500N	P=0.760
POLY 1.5	P=0.399	P=0.500N	P=0.500N	P=0.503N	P=0.500N	P=0.760
POLY 6	P=0.400	P=0.500N	P=0.500N	P=0.511N	P=0.500N	P=0.760
COCH-ARM / FISHERS	P=0.396	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	P=0.301	P=0.159N	P=0.159N	P=0.167N	P=0.159N	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Hyperplasia Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.69	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	2/10 (20%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	0/10.00	1/9.69	3/10.00	0/10.00
POLY-3 PERCENT (g)	0%	20%	0%	10.3%	30%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	0/10 (0%)	1/9 (11%)	3/10 (30%)	0/10 (0%)
FIRST INCIDENCE	---	93(T)	---	93(T)	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.509N	P=0.227	(e)	P=0.494	P=0.095	(e)
POLY 1.5	P=0.509N	P=0.227	(e)	P=0.497	P=0.095	(e)
POLY 6	P=0.508N	P=0.227	(e)	P=0.489	P=0.095	(e)
COCH-ARM / FISHERS	P=0.510N	P=0.237	(e)	P=0.500	P=0.105	(e)
MAX-ISO-POLY-3	P=0.230	P=0.067	(e)	P=0.159	P=0.025*	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Spleen						
Necrosis Lymphoid Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.69	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Stomach, Glandular Cyst						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	20%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	93(T)	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.401	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.274
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Thymus						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	2/9 (22%)	5/10 (50%)	4/10 (40%)	6/10 (60%)	4/10 (40%)	3/10 (30%)
POLY-3 RATE (b)	2/9.00	5/10.00	4/10.00	6/9.69	4/10.00	3/10.00
POLY-3 PERCENT (g)	22.2%	50%	40%	61.9%	40%	30%
TERMINAL (d)	2/9 (22%)	5/10 (50%)	4/10 (40%)	6/9 (67%)	4/10 (40%)	3/10 (30%)
FIRST INCIDENCE	93(T)	93(T)	93(T)	93(T)	93(T)	93(T)
STATISTICAL TESTS						
POLY 3	P=0.381N	P=0.221	P=0.372	P=0.095	P=0.372	P=0.552
POLY 1.5	P=0.382N	P=0.221	P=0.372	P=0.101	P=0.372	P=0.552
POLY 6	P=0.380N	P=0.221	P=0.372	P=0.085	P=0.372	P=0.552
COCH-ARM / FISHERS	P=0.381N	P=0.220	P=0.370	P=0.115	P=0.370	P=0.556
MAX-ISO-POLY-3	P=0.320	P=0.115	P=0.217	P=0.038*	P=0.217	P=0.361
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Thymus						
Necrosis Lymphoid Focal						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	0/9.69	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Androstenedione
 CAS Number: 63-05-8

Date Report Requested: 10/17/2014
 Time Report Requested: 16:04:52
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0.0 MG/KG	1.0 MG/KG	5.0 MG/KG	10.0 MG/KG	20.0 MG/KG	50.0 MG/KG
Thyroid Gland						
Ectopic Thymus						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.360	(e)	(e)	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99024-06
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/17/2014
Time Report Requested: 16:04:52
First Dose M/F: NA / NA
Lab: SRI

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

**** END OF REPORT ****