

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:57:45
First Dose M/F: NA / NA
Lab: BAT

C Number: C61994C
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 04/29/1994

Experiment Number: 051117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:57:45
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Abscess	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	11 / 30 DAY 5	0 / 0	24 / 30 DAY 5
(Skin Paint Only) Cuts	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 12
(Skin Paint Only) Discoloration	0 / 0	0 / 30	0 / 0	1 / 30 DAY 12	0 / 0	30 / 30 DAY 12	0 / 0	30 / 30 DAY 12
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 40	0 / 0	7 / 30 DAY 12
(Skin Paint Only) Exudate	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	6 / 30 DAY 89	0 / 0	11 / 30 DAY 12	0 / 0	30 / 30 DAY 5	0 / 0	30 / 30 DAY 5
(Skin Paint Only) Thin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:49
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Body Ventral	0 / 0	1 / 30 DAY 313	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Groin	0 / 0	0 / 30	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 96	0 / 0	1 / 30 DAY 222
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 26
Alopecia Body Ventral	0 / 0	4 / 30 DAY 40	0 / 0	2 / 30 DAY 187	0 / 0	3 / 30 DAY 33	0 / 0	4 / 30 DAY 19
Alopecia Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:50
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Genitalia	0 / 0	1 / 30 DAY 138	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Groin	0 / 0	1 / 30 DAY 33	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 103
Alopecia Hip	0 / 0	1 / 30 DAY 47	0 / 0	1 / 30 DAY 285	0 / 0	3 / 30 DAY 47	0 / 0	0 / 30
Alopecia Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 26	0 / 0	0 / 30
Alopecia Left Rear Leg	0 / 0	1 / 30 DAY 40	0 / 0	0 / 30	0 / 0	1 / 30 DAY 5	0 / 0	1 / 30 DAY 26
Alopecia Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 222	0 / 0	1 / 30 DAY 201
Alopecia Right Rear Leg	0 / 0	1 / 30 DAY 40	0 / 0	0 / 30	0 / 0	1 / 30 DAY 5	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 96

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:52
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Cyanosis Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 334	0 / 0	0 / 30
Diarrhea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 361
Discharge Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 19
Discharge Left Eye	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 47	0 / 0	2 / 30 DAY 19
Discoloration Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

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 Test Type: INIT/PROMOT
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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:54
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 12	0 / 0	0 / 30
Discoloration Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Dyspnea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	1 / 30 DAY 361	0 / 0	2 / 30 DAY 285	0 / 0	2 / 30 DAY 341	0 / 0	2 / 30 DAY 334
Fractured Appendage Tail	0 / 0	1 / 30 DAY 117	0 / 0	1 / 30 DAY 19	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173
Head Tilted	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Hypoactivity	0 / 0	0 / 30	0 / 0	1 / 30 DAY 327	0 / 0	2 / 30 DAY 180	0 / 0	2 / 30 DAY 180
Irritation	0 / 0	2 / 30 DAY 96	0 / 0	4 / 30 DAY 243	0 / 0	25 / 30 DAY 12	0 / 0	26 / 30 DAY 12

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:56
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Limb Paralysis Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Limb Paralysis Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 145	0 / 0	1 / 30 DAY 229
Missing Anatomy Tail	0 / 0	1 / 30 DAY 334	0 / 0	1 / 30 DAY 229	0 / 0	1 / 30 DAY 348	0 / 0	0 / 30
Opacity Left Eye	0 / 0	1 / 30 DAY 341	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Override	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159	0 / 0	0 / 30
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:57
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Papilloma	0 / 0	0 / 30	0 / 0	2 / 30 DAY 299	0 / 0	19 / 30 DAY 42	0 / 0	21 / 30 DAY 47
Prolapse Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ruffled Fur	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	6 / 30 DAY 75	0 / 0	12 / 30 DAY 75
Sore Anal Area	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355	0 / 0	0 / 30	0 / 0	0 / 30
Sore Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 125
Sore Body Ventral	0 / 0	1 / 30 DAY 201	0 / 0	1 / 30 DAY 334	0 / 0	1 / 30 DAY 194	0 / 0	2 / 30 DAY 19
Sore Both Ears	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 40
Sore Hip	0 / 0	0 / 30	0 / 0	1 / 30 DAY 12	0 / 0	0 / 30	0 / 0	1 / 30 DAY 19

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
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 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
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 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:57:59
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 75
Sore Left Eye	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 19	0 / 0	4 / 30 DAY 68
Sore Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 47
Sore Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 26	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 82	0 / 0	2 / 30 DAY 54
Sore Right Rear Leg	0 / 0	1 / 30 DAY 96	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 54

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:00
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Tail	0 / 0	1 / 30 DAY 47	0 / 0	1 / 30 DAY 313	0 / 0	6 / 30 DAY 5	0 / 0	2 / 30 DAY 96
Swelling Anal Area	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	2 / 30 DAY 187	0 / 0	1 / 30 DAY 313	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Groin	0 / 0	1 / 30 DAY 334	0 / 0	2 / 30 DAY 75	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Eye	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
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E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:02
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 117	0 / 0	3 / 30 DAY 75
Thickened	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	12 / 30 DAY 33	0 / 0	18 / 30 DAY 5
Tissue Mass Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 201	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	2 / 30 DAY 285	0 / 0	19 / 30 DAY 28	0 / 0	22 / 30 DAY 33
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	0 / 30
Tissue Mass Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
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E05: CLINICAL OBSERVATIONS SUMMARY
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 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:04
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Scrotum	0 / 0	0 / 30	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 348	0 / 0	0 / 30
Ulcer	0 / 0	0 / 30	0 / 0	1 / 30 DAY 264	0 / 0	14 / 30 DAY 12	0 / 0	22 / 30 DAY 12
Ulcer Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 208	0 / 0	1 / 30 DAY 96
Ulcer Body Ventral	0 / 0	1 / 30 DAY 96	0 / 0	0 / 30	0 / 0	3 / 30 DAY 54	0 / 0	10 / 30 DAY 54
Ulcer Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 103	0 / 0	0 / 30
Ulcer Groin	0 / 0	1 / 30 DAY 61	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

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ROW 2 = DAY OF ONSET

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E05: CLINICAL OBSERVATIONS SUMMARY
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 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:06
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 110	0 / 0	5 / 30 DAY 96
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 75
Ulcer Leg Nos	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159	0 / 0	0 / 30
Ulcer Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 138	0 / 0	6 / 30 DAY 75
Ulcer Penis	0 / 0	1 / 30 DAY 117	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 96	0 / 0	6 / 30 DAY 103
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
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Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:07
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Urine Stain	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	5 / 30 DAY 201	0 / 0	3 / 30 DAY 187

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:07
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Abscess	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 33
(Skin Paint Only) Crusty	0 / 0	6 / 30 DAY 19	0 / 0	1 / 30 DAY 117	0 / 0	1 / 30 DAY 250	0 / 0	2 / 30 DAY 12
(Skin Paint Only) Cuts	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Discoloration	0 / 0	21 / 30 DAY 19	0 / 0	0 / 30	0 / 0	1 / 30 DAY 12	0 / 0	30 / 30 DAY 12
(Skin Paint Only) Erosion	0 / 0	3 / 30 DAY 187	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	4 / 30 DAY 61
(Skin Paint Only) Exudate	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	29 / 30 DAY 12	0 / 0	14 / 30 DAY 47	0 / 0	19 / 30 DAY 12	0 / 0	30 / 30 DAY 5
(Skin Paint Only) Thin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:10
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Dorsal	0 / 0	1 / 30 DAY 89	0 / 0	2 / 30 DAY 5	0 / 0	0 / 30	0 / 0	1 / 30 DAY 215
Alopecia Body Ventral	0 / 0	2 / 30 DAY 47	0 / 0	7 / 30 DAY 19	0 / 0	0 / 30	0 / 0	1 / 30 DAY 236
Alopecia Entire Animal	0 / 0	1 / 30 DAY 222	0 / 0	1 / 30 DAY 222	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:11
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Hip	0 / 0	1 / 30 DAY 47	0 / 0	3 / 30 DAY 5	0 / 0	0 / 30	0 / 0	2 / 30 DAY 173
Alopecia Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Left Rear Leg	0 / 0	1 / 30 DAY 40	0 / 0	1 / 30 DAY 19	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	0 / 30
Alopecia Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 19	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	3 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 89

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:13
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Cyanosis Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 215	0 / 0	4 / 30 DAY 33
Discoloration Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:14
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 40
Dyspnea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 79	0 / 0	0 / 30
Fractured Appendage Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 26	0 / 0	0 / 30	0 / 0	0 / 30
Head Tilted	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173
Hypoactivity	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 334
Irritation	0 / 0	30 / 30 DAY 12	0 / 0	12 / 30 DAY 47	0 / 0	11 / 30 DAY 68	0 / 0	26 / 30 DAY 12

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:16
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Limb Paralysis Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Limb Paralysis Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 61
Missing Anatomy Tail	0 / 0	2 / 30 DAY 222	0 / 0	2 / 30 DAY 40	0 / 0	1 / 30 DAY 334	0 / 0	2 / 30 DAY 166
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Override	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 79	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:17
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Papilloma	0 / 0	28 / 30 DAY 75	0 / 0	0 / 30	0 / 0	9 / 30 DAY 180	0 / 0	25 / 30 DAY 40
Prolapse Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30
Ruffled Fur	0 / 0	2 / 30 DAY 257	0 / 0	1 / 30 DAY 208	0 / 0	2 / 30 DAY 271	0 / 0	4 / 30 DAY 103
Sore Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 138	0 / 0	1 / 30 DAY 313
Sore Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 40
Sore Hip	0 / 0	1 / 30 DAY 5	0 / 0	1 / 30 DAY 117	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:19
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Rear Leg	0 / 0	2 / 30 DAY 61	0 / 0	1 / 30 DAY 173	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 96
Sore Right Rear Leg	0 / 0	5 / 30 DAY 40	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:20
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 35	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159
Swelling Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	1 / 30 DAY 222	0 / 0	1 / 30 DAY 361	0 / 0	0 / 30	0 / 0	3 / 30 DAY 215
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 306
Swelling Groin	0 / 0	0 / 30	0 / 0	3 / 30 DAY 103	0 / 0	2 / 30 DAY 341	0 / 0	3 / 30 DAY 341
Swelling Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Front Leg	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:22
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 278	0 / 0	0 / 30
Swelling Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	4 / 30 DAY 89	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	13 / 30 DAY 12
Tissue Mass Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	29 / 30 DAY 61	0 / 0	1 / 30 DAY 355	0 / 0	11 / 30 DAY 166	0 / 0	25 / 30 DAY 28
Tissue Mass Body Ventral	0 / 0	1 / 30 DAY 313	0 / 0	1 / 30 DAY 341	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 47

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:24
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Scrotum	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	8 / 30 DAY 96	0 / 0	2 / 30 DAY 96	0 / 0	2 / 30 DAY 180	0 / 0	10 / 30 DAY 12
Ulcer Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 327	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	3 / 30 DAY 159	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 145
Ulcer Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Groin	0 / 0	1 / 30 DAY 117	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:26
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 292	0 / 0	1 / 30 DAY 110
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Leg Nos	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 278	0 / 0	1 / 30 DAY 166
Ulcer Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 138	0 / 0	0 / 30	0 / 0	1 / 30 DAY 264
Ulcer Right Rear Leg	0 / 0	4 / 30 DAY 222	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:27
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20		MNNG 500/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Urine Stain	0 / 0	3 / 30 DAY 327	0 / 0	2 / 30 DAY 145	0 / 0	3 / 30 DAY 285	0 / 0	2 / 30 DAY 194

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:27
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Abscess	0 / 0	2 / 30 DAY 56	0 / 0	0 / 30	0 / 0	1 / 30 DAY 33
(Skin Paint Only) Crusty	0 / 0	17 / 30 DAY 5	0 / 0	7 / 30 DAY 12	0 / 0	22 / 30 DAY 5
(Skin Paint Only) Cuts	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Discoloration	0 / 0	30 / 30 DAY 12	0 / 0	30 / 30 DAY 12	0 / 0	30 / 30 DAY 12
(Skin Paint Only) Erosion	0 / 0	6 / 30 DAY 40	0 / 0	2 / 30 DAY 47	0 / 0	5 / 30 DAY 33
(Skin Paint Only) Exudate	0 / 0	2 / 30 DAY 222	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	30 / 30 DAY 5	0 / 0	30 / 30 DAY 12	0 / 0	30 / 30 DAY 5
(Skin Paint Only) Thin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 33

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:29
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abscess Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	2 / 30 DAY 180	0 / 0	0 / 30	0 / 0	1 / 30 DAY 68
Alopecia Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:30
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 61
Alopecia Hip	0 / 0	1 / 30 DAY 271	0 / 0	0 / 30	0 / 0	1 / 30 DAY 68
Alopecia Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Neck	0 / 0	1 / 30 DAY 208	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	4 / 30 DAY 89	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:31
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Cyanosis Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	2 / 30 DAY 12	0 / 0	3 / 30 DAY 68	0 / 0	3 / 30 DAY 54
Discharge Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Body Ventral	0 / 0	1 / 30 DAY 47	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge	0 / 0	4 / 30 DAY 33	0 / 0	2 / 30 DAY 68	0 / 0	3 / 30 DAY 42
Discoloration Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:32
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Dyspnea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 82
Emaciated	0 / 0	3 / 30 DAY 103	0 / 0	0 / 30	0 / 0	1 / 30 DAY 82
Fractured Appendage Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Head Tilted	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Hypoactivity	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Irritation	0 / 0	25 / 30 DAY 5	0 / 0	30 / 30 DAY 12	0 / 0	30 / 30 DAY 12

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:34
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Limb Paralysis Left Rear Leg	0 / 0	1 / 30 DAY 236	0 / 0	0 / 30	0 / 0	0 / 30
Limb Paralysis Right Rear Leg	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 61
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Override	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Both Ears	0 / 0	0 / 30	0 / 0	1 / 30 DAY 68	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	1 / 30 DAY 96	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:35
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Papilloma	0 / 0	25 / 30 DAY 47	0 / 0	6 / 30 DAY 54	0 / 0	14 / 30 DAY 47
Prolapse Penis	0 / 0	0 / 30	0 / 0	1 / 30 DAY 75	0 / 0	0 / 30
Ruffled Fur	0 / 0	9 / 30 DAY 75	0 / 0	1 / 30 DAY 82	0 / 0	3 / 30 DAY 75
Sore Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Body Ventral	0 / 0	2 / 30 DAY 19	0 / 0	0 / 30	0 / 0	0 / 30
Sore Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 5

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:36
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Ear	0 / 0	2 / 30 DAY 40	0 / 0	0 / 30	0 / 0	1 / 30 DAY 75
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Front Leg	0 / 0	1 / 30 DAY 54	0 / 0	0 / 30	0 / 0	1 / 30 DAY 75
Sore Left Rear Foot	0 / 0	0 / 30	0 / 0	1 / 30 DAY 26	0 / 0	0 / 30
Sore Left Rear Leg	0 / 0	1 / 30 DAY 33	0 / 0	1 / 30 DAY 33	0 / 0	0 / 30
Sore Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	3 / 30 DAY 33	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 47	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:37
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Tail	0 / 0	1 / 30 DAY 12	0 / 0	0 / 30	0 / 0	1 / 30 DAY 12
Swelling Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Groin	0 / 0	2 / 30 DAY 341	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Front Leg	0 / 0	2 / 30 DAY 68	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Neck	0 / 0	1 / 30 DAY 327	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 051117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:38
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 52**

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Front Leg	0 / 0	1 / 30 DAY 327	0 / 0	0 / 30	0 / 0	0 / 30
Swelling	0 / 0	5 / 30 DAY 82	0 / 0	0 / 30	0 / 0	2 / 30 DAY 82
Thickened	0 / 0	19 / 30 DAY 5	0 / 0	9 / 30 DAY 12	0 / 0	20 / 30 DAY 12
Tissue Mass Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	27 / 30 DAY 33	0 / 0	13 / 30 DAY 40	0 / 0	22 / 30 DAY 33
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:40
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Neck	0 / 0	1 / 30 DAY 320	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Scrotum	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	21 / 30 DAY 12	0 / 0	12 / 30 DAY 47	0 / 0	24 / 30 DAY 12
Ulcer Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	7 / 30 DAY 54	0 / 0	2 / 30 DAY 68	0 / 0	1 / 30 DAY 75
Ulcer Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:41
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Front Leg	0 / 0	3 / 30 DAY 75	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Rear Leg	0 / 0	1 / 30 DAY 96	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Leg Nos	0 / 0	1 / 30 DAY 110	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Neck	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	1 / 30 DAY 75
Ulcer Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	6 / 30 DAY 75	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:42
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Urine Stain	0 / 0	2 / 30 DAY 138	0 / 0	0 / 30	0 / 0	1 / 30 DAY 26

END OF MALE DATA

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:42
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Abscess	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Clipper Injury	0 / 0	1 / 30 DAY 70	0 / 0	1 / 30 DAY 63	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	12 / 30 DAY 7
(Skin Paint Only) Cuts	0 / 0	1 / 30 DAY 133	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Discoloration	0 / 0	0 / 30	0 / 0	3 / 30 DAY 14	0 / 0	24 / 30 DAY 14	0 / 0	30 / 30 DAY 7
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 134	0 / 0	5 / 30 DAY 126
(Skin Paint Only) Exudate	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 220	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	2 / 30 DAY 164	0 / 0	1 / 30 DAY 332	0 / 0	28 / 30 DAY 7	0 / 0	30 / 30 DAY 7

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:45
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 133
Alopecia Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	4 / 30 DAY 70	0 / 0	4 / 30 DAY 42	0 / 0	0 / 30	0 / 0	5 / 30 DAY 49
Alopecia Entire Animal	0 / 0	2 / 30 DAY 360	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63
Alopecia Hip	0 / 0	3 / 30 DAY 70	0 / 0	4 / 30 DAY 42	0 / 0	1 / 30 DAY 318	0 / 0	3 / 30 DAY 70
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 35	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:46
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Right Rear Leg	0 / 0	0 / 30	0 / 0	2 / 30 DAY 35	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 227	0 / 0	3 / 30 DAY 213
Cyanosis Body Dorsal	0 / 0	1 / 30 DAY 346	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	4 / 30 DAY 70
Discoloration Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:48
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Dyspnea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	1 / 30 DAY 290	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 339
Exophthalmos Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Fractured Appendage Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Hypoactivity	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 353
Irritation	0 / 0	1 / 30 DAY 171	0 / 0	2 / 30 DAY 141	0 / 0	8 / 30 DAY 14	0 / 0	23 / 30 DAY 7
Limb Paralysis Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 119
Missing Anatomy Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:49
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Missing Anatomy Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Tail	0 / 0	0 / 30	0 / 0	2 / 30 DAY 49	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 241
Other	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 112
Papilloma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	7 / 30 DAY 49	0 / 0	25 / 30 DAY 56
Prolapse Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:50
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ruffled Fur	0 / 0	1 / 30 DAY 325	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	5 / 30 DAY 91
Secretion/Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 353
Sore Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 56
Sore Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77
Sore Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 119	0 / 0	0 / 30
Sore Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 360	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:51
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 147
Sore Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 147
Sore Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77
Sore Tail	0 / 0	1 / 30 DAY 164	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 42
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 360	0 / 0	0 / 30	0 / 0	1 / 30 DAY 353

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SEN CAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:53
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 112
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 105
Swelling Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 14	0 / 0	18 / 30 DAY 7
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	8 / 30 DAY 35	0 / 0	25 / 30 DAY 35
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 49	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:54
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 178	0 / 0	13 / 30 DAY 14
Ulcer Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	4 / 30 DAY 77
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 98
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 98

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:58:56
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Urine Stain	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:56
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Abscess	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Clipper Injury	0 / 0	1 / 30 DAY 23	0 / 0	1 / 30 DAY 23	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	4 / 30 DAY 56	0 / 0	3 / 30 DAY 234	0 / 0	2 / 30 DAY 14	0 / 0	0 / 30
(Skin Paint Only) Cuts	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Discoloration	0 / 0	30 / 30 DAY 7	0 / 0	8 / 30 DAY 14	0 / 0	0 / 30	0 / 0	1 / 30 DAY 14
(Skin Paint Only) Erosion	0 / 0	2 / 30 DAY 56	0 / 0	1 / 30 DAY 199	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Exudate	0 / 0	0 / 30	0 / 0	1 / 30 DAY 227	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	30 / 30 DAY 7	0 / 0	21 / 30 DAY 14	0 / 0	10 / 30 DAY 7	0 / 0	8 / 30 DAY 7

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:57
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0 / 0	1 / 30 DAY 63	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	0 / 30	0 / 0	2 / 30 DAY 141	0 / 0	0 / 30	0 / 0	4 / 30 DAY 77
Alopecia Entire Animal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 241	0 / 0	0 / 30	0 / 0	1 / 30 DAY 290
Alopecia Hip	0 / 0	1 / 30 DAY 28	0 / 0	1 / 30 DAY 206	0 / 0	0 / 30	0 / 0	3 / 30 DAY 269
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:58:58
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 112
Carcinoma	0 / 0	0 / 30	0 / 0	3 / 30 DAY 227	0 / 0	0 / 30	0 / 0	0 / 30
Cyanosis Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	7 / 30 DAY 35	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Anal Area	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge	0 / 0	2 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 353	0 / 0	0 / 30
Discoloration Both Ears	0 / 0	2 / 30 DAY 63	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:00
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Dyspnea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	1 / 30 DAY 63	0 / 0	4 / 30 DAY 276	0 / 0	0 / 30	0 / 0	0 / 30
Exophthalmos Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Fractured Appendage Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 28
Hypoactivity	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Irritation	0 / 0	27 / 30 DAY 7	0 / 0	27 / 30 DAY 14	0 / 0	7 / 30 DAY 63	0 / 0	6 / 30 DAY 63
Limb Paralysis Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Left Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 213	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:01
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Missing Anatomy Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Tail	0 / 0	0 / 30	0 / 0	2 / 30 DAY 171	0 / 0	0 / 30	0 / 0	2 / 30 DAY 42
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Other	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Papilloma	0 / 0	0 / 30	0 / 0	28 / 30 DAY 112	0 / 0	1 / 30 DAY 325	0 / 0	9 / 30 DAY 144
Prolapse Anal Area	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:02
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ruffled Fur	0 / 0	2 / 30 DAY 77	0 / 0	3 / 30 DAY 141	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30
Secretion/Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 353
Sore Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 98	0 / 0	0 / 30
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:03
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30
Sore Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 353	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 91	0 / 0	0 / 30	0 / 0	1 / 30 DAY 262
Sore Tail	0 / 0	1 / 30 DAY 49	0 / 0	1 / 30 DAY 156	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 297	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 318	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:05
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	7 / 30 DAY 14	0 / 0	3 / 30 DAY 91	0 / 0	2 / 30 DAY 7	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	28 / 30 DAY 98	0 / 0	1 / 30 DAY 311	0 / 0	10 / 30 DAY 133
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:06
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 339	0 / 0	0 / 30
Tissue Mass Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	13 / 30 DAY 49	0 / 0	7 / 30 DAY 70	0 / 0	2 / 30 DAY 49	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	1 / 30 DAY 70	0 / 0	0 / 30	0 / 0	1 / 30 DAY 72	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 72	0 / 0	0 / 30
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 178	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 360	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:07
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Urine Stain	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 346	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:07
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Abscess	0 / 0	1 / 30 DAY 56	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Clipper Injury	0 / 0	0 / 30	0 / 0	1 / 30 DAY 84	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	3 / 30 DAY 14	0 / 0	12 / 30 DAY 7	0 / 0	1 / 30 DAY 77	0 / 0	12 / 30 DAY 7
(Skin Paint Only) Cuts	0 / 0	0 / 30	0 / 0	1 / 30 DAY 346	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Discoloration	0 / 0	28 / 30 DAY 7	0 / 0	28 / 30 DAY 7	0 / 0	30 / 30 DAY 14	0 / 0	30 / 30 DAY 7
(Skin Paint Only) Erosion	0 / 0	3 / 30 DAY 49	0 / 0	4 / 30 DAY 35	0 / 0	0 / 30	0 / 0	4 / 30 DAY 14
(Skin Paint Only) Exudate	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	28 / 30 DAY 7	0 / 0	30 / 30 DAY 7	0 / 0	30 / 30 DAY 14	0 / 0	30 / 30 DAY 7

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:09
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0 / 0	0 / 30	0 / 0	3 / 30 DAY 70	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Anal Area	0 / 0	1 / 30 DAY 234	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Dorsal	0 / 0	4 / 30 DAY 28	0 / 0	2 / 30 DAY 14	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	11 / 30 DAY 35	0 / 0	5 / 30 DAY 21	0 / 0	0 / 30	0 / 0	2 / 30 DAY 35
Alopecia Entire Animal	0 / 0	2 / 30 DAY 49	0 / 0	4 / 30 DAY 70	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63
Alopecia Hip	0 / 0	7 / 30 DAY 28	0 / 0	5 / 30 DAY 35	0 / 0	1 / 30 DAY 49	0 / 0	3 / 30 DAY 42
Alopecia Left Rear Leg	0 / 0	2 / 30 DAY 35	0 / 0	1 / 30 DAY 7	0 / 0	1 / 30 DAY 42	0 / 0	0 / 30
Alopecia Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 21

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:10
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Right Rear Leg	0 / 0	2 / 30 DAY 35	0 / 0	1 / 30 DAY 21	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	1 / 30 DAY 227	0 / 0	2 / 30 DAY 227	0 / 0	0 / 30	0 / 0	0 / 30
Cyanosis Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 63	0 / 0	0 / 30
Discharge Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	0 / 0	1 / 30 DAY 70
Discharge	0 / 0	0 / 30	0 / 0	5 / 30 DAY 63	0 / 0	0 / 30	0 / 0	3 / 30 DAY 56
Discoloration Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:11
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Dyspnea	0 / 0	1 / 30 DAY 105	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	1 / 30 DAY 91	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Exophthalmos Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 42	0 / 0	0 / 30
Fractured Appendage Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 35	0 / 0	0 / 30
Hypoactivity	0 / 0	0 / 30	0 / 0	1 / 30 DAY 70	0 / 0	0 / 30	0 / 0	0 / 30
Irritation	0 / 0	17 / 30 DAY 14	0 / 0	24 / 30 DAY 7	0 / 0	27 / 30 DAY 14	0 / 0	26 / 30 DAY 7
Limb Paralysis Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Left Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 192	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:12
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Missing Anatomy Right Ear	0 / 0	1 / 30 DAY 178	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 42	0 / 0	0 / 30
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Other	0 / 0	1 / 30 DAY 105	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Both Ears	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	2 / 30 DAY 105	0 / 0	1 / 30 DAY 119	0 / 0	0 / 30	0 / 0	0 / 30
Papilloma	0 / 0	16 / 30 DAY 49	0 / 0	21 / 30 DAY 49	0 / 0	3 / 30 DAY 56	0 / 0	16 / 30 DAY 42
Prolapse Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	0 / 0	1 / 30 DAY 77

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:14
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ruffled Fur	0 / 0	3 / 30 DAY 70	0 / 0	7 / 30 DAY 91	0 / 0	2 / 30 DAY 77	0 / 0	3 / 30 DAY 77
Secretion/Discharge	0 / 0	1 / 30 DAY 84	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30
Sore Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:15
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Rear Leg	0 / 0	1 / 30 DAY 21	0 / 0	1 / 30 DAY 56	0 / 0	0 / 30	0 / 0	1 / 30 DAY 28
Sore Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	1 / 30 DAY 150	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 35	0 / 0	0 / 30	0 / 0	0 / 30
Sore Tail	0 / 0	3 / 30 DAY 126	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	1 / 30 DAY 164	0 / 0	1 / 30 DAY 262	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:16
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77
Swelling Left Rear Foot	0 / 0	1 / 30 DAY 84	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Vaginal Area	0 / 0	1 / 30 DAY 318	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	8 / 30 DAY 28	0 / 0	22 / 30 DAY 7	0 / 0	7 / 30 DAY 56	0 / 0	24 / 30 DAY 7
Tissue Mass Body Dorsal	0 / 0	17 / 30 DAY 35	0 / 0	22 / 30 DAY 35	0 / 0	7 / 30 DAY 42	0 / 0	21 / 30 DAY 28
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 112	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
 Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
 CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
 Time Report Requested: 19:59:17
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63
Ulcer	0 / 0	3 / 30 DAY 49	0 / 0	14 / 30 DAY 14	0 / 0	7 / 30 DAY 63	0 / 0	17 / 30 DAY 14
Ulcer Body Ventral	0 / 0	1 / 30 DAY 84	0 / 0	3 / 30 DAY 100	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63
Ulcer Left Front Leg	0 / 0	2 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Rear Leg	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	0 / 30	0 / 0	2 / 30 DAY 144	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:18
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 52**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Urine Stain	0 / 0	0 / 30	0 / 0	2 / 30 DAY 227	0 / 0	0 / 30	0 / 0	0 / 30

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:59:18
First Dose M/F: NA / NA
Lab: BAT

**** END OF REPORT ****

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)
+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
ROW 2 = DAY OF ONSET