

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
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: 10/22/2014
Time Report Requested: 18:14:17
First Dose M/F: NA / NA
Lab: BAT

C Number:	C61994C
Lock Date:	04/09/1992
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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:17

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Clipper Injury	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	2 / 30 DAY 125	0 / 0	3 / 30 DAY 104	0 / 0	4 / 30 DAY 115
(Skin Paint Only) Discoloration	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	7 / 30 DAY 112	0 / 0	13 / 30 DAY 83	0 / 0	9 / 30 DAY 69
(Skin Paint Only) Scaly	0 / 0	1 / 30 DAY 342	0 / 0	27 / 30 DAY 16	0 / 0	26 / 30 DAY 28	0 / 0	26 / 30 DAY 16
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140
Alopecia Body Ventral	0 / 0	1 / 30 DAY 167	0 / 0	1 / 30 DAY 118	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30
Alopecia Hip	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:19

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 115	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 115	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 265
Diarrhea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77
Discharge Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 314
Discharge Left Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 279	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 244	0 / 0	1 / 30 DAY 188	0 / 0	0 / 30
Discoloration Left Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 293	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:20

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Right Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 307	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	0 / 30	0 / 0	1 / 30 DAY 78	0 / 0	1 / 30 DAY 140	0 / 0	1 / 30 DAY 140
Head Tilted	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Irritation	0 / 0	0 / 30	0 / 0	25 / 30 DAY 21	0 / 0	24 / 30 DAY 21	0 / 0	25 / 30 DAY 21
Missing Anatomy Tail	0 / 0	1 / 30 DAY 141	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230
Override	0 / 0	1 / 30 DAY 258	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	2 / 30 DAY 78	0 / 0	3 / 30 DAY 167	0 / 0	0 / 30
Papilloma	0 / 0	0 / 30	0 / 0	12 / 30 DAY 90	0 / 0	19 / 30 DAY 63	0 / 0	24 / 30 DAY 69

* 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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:21

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Prolapse Penis	0 / 0	0 / 30	0 / 0	1 / 30 DAY 356	0 / 0	0 / 30	0 / 0	0 / 30
Reddened Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Reddened Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ruffled Fur	0 / 0	0 / 30	0 / 0	2 / 30 DAY 118	0 / 0	2 / 30 DAY 153	0 / 0	2 / 30 DAY 118
Sore Both Ears	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	0 / 30	0 / 0	0 / 30
Sore Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 195	0 / 0	0 / 30
Sore Right Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 202	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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:22

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	2 / 30 DAY 322	0 / 0	1 / 30 DAY 314	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	1 / 30 DAY 356	0 / 0	0 / 30	0 / 0	3 / 30 DAY 78	0 / 0	0 / 30
Swelling Face	0 / 0	0 / 30	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	1 / 30 DAY 160	0 / 0	1 / 30 DAY 300
Swelling Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 167	0 / 0	0 / 30
Swelling Neck	0 / 0	0 / 30	0 / 0	1 / 30 DAY 224	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 322	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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:23

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 300
Swelling Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 78	0 / 0	1 / 30 DAY 181	0 / 0	0 / 30
Swelling Shoulder	0 / 0	0 / 30	0 / 0	1 / 30 DAY 342	0 / 0	1 / 30 DAY 140	0 / 0	1 / 30 DAY 279
Thickened	0 / 0	0 / 30	0 / 0	1 / 30 DAY 112	0 / 0	0 / 30	0 / 0	2 / 30 DAY 35
Tissue Mass Anal Area	0 / 0	1 / 30 DAY 307	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	13 / 30 DAY 77	0 / 0	20 / 30 DAY 49	0 / 0	25 / 30 DAY 56
Tissue Mass Body Ventral	0 / 0	1 / 30 DAY 337	0 / 0	1 / 30 DAY 244	0 / 0	0 / 30	0 / 0	1 / 30 DAY 307
Tissue Mass Groin	0 / 0	2 / 30 DAY 328	0 / 0	1 / 30 DAY 300	0 / 0	1 / 30 DAY 307	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:24

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	0 / 30	0 / 0	22 / 30 DAY 78	0 / 0	26 / 30 DAY 56	0 / 0	27 / 30 DAY 63
Ulcer Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 90	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	0 / 30	0 / 0	4 / 30 DAY 78	0 / 0	0 / 30	0 / 0	2 / 30 DAY 97
Ulcer Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 125	0 / 0	1 / 30 DAY 251	0 / 0	1 / 30 DAY 118
Ulcer Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 216	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:25

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 78	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140
Ulcer Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 216	0 / 0	0 / 30
Urine Stain	0 / 0	0 / 30	0 / 0	2 / 30 DAY 286	0 / 0	2 / 30 DAY 132	0 / 0	3 / 30 DAY 237

* 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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:25

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Clipper Injury	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 2
(Skin Paint Only) Crusty	0 / 0	3 / 30 DAY 146	0 / 0	2 / 30 DAY 115	0 / 0	6 / 30 DAY 28
(Skin Paint Only) Discoloration	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Erosion	0 / 0	4 / 30 DAY 78	0 / 0	7 / 30 DAY 132	0 / 0	11 / 30 DAY 35
(Skin Paint Only) Scaly	0 / 0	29 / 30 DAY 21	0 / 0	29 / 30 DAY 16	0 / 0	30 / 30 DAY 9
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	1 / 30 DAY 300	0 / 0	0 / 30	0 / 0	2 / 30 DAY 125
Alopecia Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63

* 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:26

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Left Rear Leg	0 / 0	0 / 30	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	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Both Eyes	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 Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Left Eye	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:27

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Head Tilted	0 / 0	0 / 30	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30
Irritation	0 / 0	23 / 30 DAY 28	0 / 0	28 / 30 DAY 16	0 / 0	28 / 30 DAY 9
Missing Anatomy Tail	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 Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 97
Papilloma	0 / 0	2 / 30 DAY 77	0 / 0	16 / 30 DAY 78	0 / 0	24 / 30 DAY 42

* 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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:28

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Prolapse Penis	0 / 0	0 / 30	0 / 0	1 / 30 DAY 286	0 / 0	0 / 30
Reddened Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 49
Reddened Right Ear	0 / 0	1 / 30 DAY 90	0 / 0	0 / 30	0 / 0	0 / 30
Ruffled Fur	0 / 0	1 / 30 DAY 258	0 / 0	1 / 30 DAY 115	0 / 0	2 / 30 DAY 104
Sore Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140
Sore Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 153
Sore Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Rear Foot	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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:28

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Tail	0 / 0	1 / 30 DAY 293	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 181	0 / 0	0 / 30
Swelling Body Ventral	0 / 0	2 / 30 DAY 140	0 / 0	1 / 30 DAY 181	0 / 0	1 / 30 DAY 140
Swelling Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 97
Swelling Left Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 181	0 / 0	0 / 30
Swelling Left Rear Leg	0 / 0	1 / 30 DAY 335	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 209
Swelling Right Eye	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:29

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Front Leg	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Shoulder	0 / 0	0 / 30	0 / 0	2 / 30 DAY 132	0 / 0	4 / 30 DAY 140
Thickened	0 / 0	2 / 30 DAY 112	0 / 0	0 / 30	0 / 0	2 / 30 DAY 42
Tissue Mass Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	5 / 30 DAY 63	0 / 0	20 / 30 DAY 63	0 / 0	26 / 30 DAY 28
Tissue Mass Body Ventral	0 / 0	1 / 30 DAY 328	0 / 0	1 / 30 DAY 328	0 / 0	0 / 30
Tissue Mass Groin	0 / 0	0 / 30	0 / 0	2 / 30 DAY 307	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:30

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30
Ulcer	0 / 0	23 / 30 DAY 78	0 / 0	26 / 30 DAY 83	0 / 0	24 / 30 DAY 9
Ulcer Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	1 / 30 DAY 141	0 / 0	1 / 30 DAY 167	0 / 0	2 / 30 DAY 9
Ulcer Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 63
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 118
Ulcer Neck	0 / 0	0 / 30	0 / 0	1 / 30 DAY 153	0 / 0	1 / 30 DAY 97
Ulcer Right Front Leg	0 / 0	1 / 30 DAY 202	0 / 0	0 / 30	0 / 0	2 / 30 DAY 140

* 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:31

First Dose M/F: NA / NA

Lab: BAT

SEX :MALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 146	0 / 0	1 / 30 DAY 146
Ulcer Shoulder	0 / 0	1 / 30 DAY 132	0 / 0	0 / 30	0 / 0	3 / 30 DAY 125
Urine Stain	0 / 0	2 / 30 DAY 224	0 / 0	1 / 30 DAY 237	0 / 0	2 / 30 DAY 188

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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:31

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Crusty	0 / 0	0 / 30	0 / 0	5 / 30 DAY 105	0 / 0	8 / 30 DAY 98	0 / 0	3 / 30 DAY 133
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	5 / 30 DAY 98	0 / 0	5 / 30 DAY 154	0 / 0	7 / 30 DAY 91
(Skin Paint Only) Scaly	0 / 0	0 / 30	0 / 0	23 / 30 DAY 21	0 / 0	22 / 30 DAY 35	0 / 0	22 / 30 DAY 21
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	2 / 30 DAY 196	0 / 0	2 / 30 DAY 69	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Hip	0 / 0	0 / 30	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	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:32

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Right Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 189	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	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	1 / 30 DAY 161	0 / 0	0 / 30	0 / 0	0 / 30
Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 217
Discharge Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	0 / 30	0 / 0	1 / 30 DAY 105	0 / 0	1 / 30 DAY 238	0 / 0	0 / 30
Irritation	0 / 0	0 / 30	0 / 0	16 / 30 DAY 35	0 / 0	13 / 30 DAY 49	0 / 0	19 / 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:33

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Missing Anatomy Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	2 / 30 DAY 98	0 / 0	2 / 30 DAY 217	0 / 0	2 / 30 DAY 196
Papilloma	0 / 0	0 / 30	0 / 0	13 / 30 DAY 91	0 / 0	27 / 30 DAY 69	0 / 0	29 / 30 DAY 69
Prolapse Anal Area	0 / 0	0 / 30	0 / 0	1 / 30 DAY 168	0 / 0	0 / 30	0 / 0	0 / 30
Reddened Left Ear	0 / 0	1 / 30 DAY 105	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 245
Reddened Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 266	0 / 0	0 / 30
Reddened Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 84
Ruffled Fur	0 / 0	0 / 30	0 / 0	4 / 30 DAY 105	0 / 0	2 / 30 DAY 175	0 / 0	1 / 30 DAY 217

* 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:34

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Face	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 287	0 / 0	1 / 30 DAY 238
Sore Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 9	0 / 0	0 / 30	0 / 0	0 / 30
Sore Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 287	0 / 0	0 / 30
Sore Neck	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 Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 16	0 / 0	0 / 30	0 / 0	0 / 30
Sore Tail	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:35

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 182
Swelling Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 349	0 / 0	0 / 30
Thickened	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	14 / 30 DAY 77	0 / 0	28 / 30 DAY 56	0 / 0	29 / 30 DAY 56
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 189

* 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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:36

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Nose	0 / 0	0 / 30	0 / 0	1 / 30 DAY 266	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 356	0 / 0	0 / 30
Ulcer	0 / 0	1 / 30 DAY 9	0 / 0	20 / 30 DAY 77	0 / 0	25 / 30 DAY 56	0 / 0	23 / 30 DAY 98
Ulcer Body Ventral	0 / 0	1 / 30 DAY 9	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Rear Leg	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	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:37

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	VEHICLE CONTROL		DMBA0.25 /TPA 1		DMBA 2.5 /TPA 1		DMBA 25 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
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	1 / 30 DAY 133
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 114	0 / 0	0 / 30
Urine Stain	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 294	0 / 0	1 / 30 DAY 280

* 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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:37

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Crusty	0 / 0	5 / 30 DAY 105	0 / 0	2 / 30 DAY 91	0 / 0	7 / 30 DAY 63
(Skin Paint Only) Erosion	0 / 0	7 / 30 DAY 63	0 / 0	3 / 30 DAY 126	0 / 0	8 / 30 DAY 42
(Skin Paint Only) Scaly	0 / 0	22 / 30 DAY 16	0 / 0	21 / 30 DAY 16	0 / 0	30 / 30 DAY 9
Abnormal Posture	0 / 0	0 / 30	0 / 0	1 / 30 DAY 139	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	3 / 30 DAY 231	0 / 0	4 / 30 DAY 114	0 / 0	2 / 30 DAY 84
Alopecia Entire Animal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 322	0 / 0	1 / 30 DAY 139
Alopecia Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 69
Alopecia Left Rear Leg	0 / 0	2 / 30 DAY 35	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:38

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Right Rear Leg	0 / 0	1 / 30 DAY 42	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 224
Discharge Anal Area	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
Discharge Vaginal Area	0 / 0	0 / 30	0 / 0	1 / 30 DAY 308	0 / 0	0 / 30
Emaciated	0 / 0	0 / 30	0 / 0	2 / 30 DAY 140	0 / 0	1 / 30 DAY 238
Irritation	0 / 0	18 / 30 DAY 21	0 / 0	18 / 30 DAY 16	0 / 0	30 / 30 DAY 9

* 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:38

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Missing Anatomy Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	3 / 30 DAY 161	0 / 0	0 / 30
Papilloma	0 / 0	0 / 30	0 / 0	22 / 30 DAY 84	0 / 0	20 / 30 DAY 42
Prolapse Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Reddened Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Reddened Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Reddened Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 225	0 / 0	0 / 30
Ruffled Fur	0 / 0	4 / 30 DAY 115	0 / 0	3 / 30 DAY 126	0 / 0	1 / 30 DAY 132

* 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:39

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140	0 / 0	0 / 30
Sore Left Ear	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
Sore Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 139
Sore Right Ear	0 / 0	0 / 30	0 / 0	2 / 30 DAY 147	0 / 0	0 / 30
Sore Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 139

* 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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:39

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Body Ventral	0 / 0	1 / 30 DAY 342	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Left Front Foot	0 / 0	1 / 30 DAY 294	0 / 0	1 / 30 DAY 280	0 / 0	0 / 30
Swelling Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 342
Thickened	0 / 0	2 / 30 DAY 56	0 / 0	0 / 30	0 / 0	5 / 30 DAY 35
Tissue Mass Body Dorsal	0 / 0	3 / 30 DAY 105	0 / 0	25 / 30 DAY 69	0 / 0	22 / 30 DAY 28
Tissue Mass Body Ventral	0 / 0	1 / 30 DAY 328	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Mouth	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: 051117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:40

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 356
Ulcer	0 / 0	19 / 30 DAY 63	0 / 0	21 / 30 DAY 84	0 / 0	25 / 30 DAY 16
Ulcer Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 266	0 / 0	4 / 30 DAY 28
Ulcer Hip	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 21
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 252	0 / 0	2 / 30 DAY 28
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 308	0 / 0	0 / 30
Ulcer Neck	0 / 0	0 / 30	0 / 0	1 / 30 DAY 252	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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

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: 10/22/2014

Time Report Requested: 18:14:41

First Dose M/F: NA / NA

Lab: BAT

SEX :FEMALE

WEEK: 52

OBSERVATIONS	TPA 1/ COMPLETE		MNNG 100 /TPA 1		MNNG1000 /TPA 1	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 245	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 245	0 / 0	2 / 30 DAY 28
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 9
Ulcer Shoulder	0 / 0	0 / 30	0 / 0	1 / 30 DAY 252	0 / 0	3 / 30 DAY 21
Urine Stain	0 / 0	1 / 30 DAY 349	0 / 0	1 / 30 DAY 336	0 / 0	2 / 30 DAY 132

* 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: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

Species/Strain: Mouse/SENCAR

E05: CLINICAL OBSERVATIONS SUMMARY

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

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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