

Experiment Number: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:57:09
First Dose M/F: NA / NA
Lab: BAT

C Number:	C61994B
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	04/28/1994

Experiment Number: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:09
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

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 230	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 3
(Skin Paint Only) Crusty	0 / 0	2 / 30 DAY 87	0 / 0	0 / 30	0 / 0	9 / 30 DAY 12	0 / 0	16 / 30 DAY 10
(Skin Paint Only) Discoloration	0 / 0	0 / 30	0 / 0	11 / 30 DAY 3	0 / 0	27 / 30 DAY 3	0 / 0	30 / 30 DAY 3
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355
(Skin Paint Only) Scaly	0 / 0	3 / 30 DAY 52	0 / 0	25 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 3
(Skin Paint Only) Thin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 236	0 / 0	3 / 30 DAY 229

* 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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:57:14
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 53**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
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	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 313	0 / 0	3 / 30 DAY 173
Colored Feces	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Comatose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Cyanosis Entire Animal	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	1 / 30 DAY 341	0 / 0	0 / 30
Discharge Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 222	0 / 0	1 / 30 DAY 201	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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:57:15
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 53**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discharge Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Left Ear	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 Right Ear	0 / 0	0 / 30	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	0 / 0	0 / 30
Discharge Site Of Application (Skin Paint)	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 159	0 / 0	6 / 30 DAY 166

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:18
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration	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 180	0 / 0	1 / 30 DAY 159	0 / 0	6 / 30 DAY 159	0 / 0	11 / 30 DAY 159
Exophthalmos Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 201	0 / 0	1 / 30 DAY 194
Exophthalmos Left Eye	0 / 0	0 / 30	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 187	0 / 0	2 / 30 DAY 166

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:19
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Head Tilted	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 229	0 / 0	3 / 30 DAY 150
Hypoactivity	0 / 0	0 / 30	0 / 0	1 / 30 DAY 180	0 / 0	2 / 30 DAY 166	0 / 0	7 / 30 DAY 159
Irritation	0 / 0	6 / 30 DAY 66	0 / 0	21 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 3
Micro-Ophthalmia Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Micro-Ophthalmia Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Both Ears	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	0 / 30	0 / 0	1 / 30 DAY 243	0 / 0	1 / 30 DAY 159
Missing Anatomy Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 180

* 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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:57:22
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 53**

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	1 / 30 DAY 355	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 194	0 / 0	0 / 30
Opacity Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Right 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
Override	0 / 0	2 / 30 DAY 3	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355	0 / 0	2 / 30 DAY 3
Pallor 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:23
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 159	0 / 0	5 / 30 DAY 159
Papilloma	0 / 0	0 / 30	0 / 0	1 / 30 DAY 101	0 / 0	7 / 30 DAY 63	0 / 0	14 / 30 DAY 52
Prolapse Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Prolapse Penis	0 / 0	1 / 30 DAY 87	0 / 0	1 / 30 DAY 355	0 / 0	1 / 30 DAY 87	0 / 0	1 / 30 DAY 173
Reddened Both Ears	0 / 0	0 / 30	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	0 / 0	1 / 30 DAY 32
Ruffled Fur	0 / 0	1 / 30 DAY 150	0 / 0	3 / 30 DAY 136	0 / 0	9 / 30 DAY 59	0 / 0	15 / 30 DAY 59
Sore Both Ears	0 / 0	2 / 30 DAY 129	0 / 0	1 / 30 DAY 285	0 / 0	0 / 30	0 / 0	2 / 30 DAY 108

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:26
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 101	0 / 0	0 / 30	0 / 0	0 / 30
Sore Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Ear	0 / 0	3 / 30 DAY 101	0 / 0	0 / 30	0 / 0	2 / 30 DAY 194	0 / 0	6 / 30 DAY 45
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 59	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 Mouth	0 / 0	1 / 30 DAY 150	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 285
Sore 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:27
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Nose	0 / 0	1 / 30 DAY 285	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	1 / 30 DAY 59	0 / 0	2 / 30 DAY 271	0 / 0	0 / 30	0 / 0	2 / 30 DAY 59
Sore Right Eye	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	0 / 30
Sore Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173
Swelling Body Dorsal	0 / 0	1 / 30 DAY 194	0 / 0	0 / 30	0 / 0	3 / 30 DAY 217	0 / 0	5 / 30 DAY 166
Swelling Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355	0 / 0	5 / 30 DAY 194	0 / 0	4 / 30 DAY 159
Swelling Both Eyes	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:30
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 194	0 / 0	2 / 30 DAY 173	0 / 0	3 / 30 DAY 166
Swelling Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 87	0 / 0	0 / 30
Swelling Groin	0 / 0	3 / 30 DAY 340	0 / 0	2 / 30 DAY 218	0 / 0	2 / 30 DAY 217	0 / 0	1 / 30 DAY 194
Swelling Hip	0 / 0	1 / 30 DAY 348	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 Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 166	0 / 0	0 / 30
Swelling Neck	0 / 0	0 / 30	0 / 0	1 / 30 DAY 340	0 / 0	2 / 30 DAY 159	0 / 0	3 / 30 DAY 159
Swelling Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 299

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:31
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Eye	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	3 / 30 DAY 229	0 / 0	4 / 30 DAY 229
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	7 / 30 DAY 166
Thickened	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 180	0 / 0	3 / 30 DAY 159
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 91	0 / 0	8 / 30 DAY 45	0 / 0	17 / 30 DAY 31
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Face	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:34
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Right Front Leg	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	3 / 30 DAY 87	0 / 0	2 / 30 DAY 10	0 / 0	23 / 30 DAY 10	0 / 0	28 / 30 DAY 10
Ulcer Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	2 / 30 DAY 159	0 / 0	1 / 30 DAY 159	0 / 0	8 / 30 DAY 159	0 / 0	8 / 30 DAY 129
Ulcer Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 313	0 / 0	0 / 30	0 / 0	2 / 30 DAY 129
Ulcer Groin	0 / 0	0 / 30	0 / 0	1 / 30 DAY 306	0 / 0	1 / 30 DAY 355	0 / 0	1 / 30 DAY 243

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:35
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	1 / 30 DAY 159	0 / 0	1 / 30 DAY 173	0 / 0	5 / 30 DAY 159	0 / 0	7 / 30 DAY 159
Ulcer Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 187	0 / 0	1 / 30 DAY 173
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	1 / 30 DAY 101	0 / 0	5 / 30 DAY 115	0 / 0	2 / 30 DAY 108
Ulcer Nose	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:38
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 306	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	1 / 30 DAY 159	0 / 0	1 / 30 DAY 173	0 / 0	5 / 30 DAY 136	0 / 0	4 / 30 DAY 173
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173	0 / 0	1 / 30 DAY 166
Ulcer Scrotum	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	3 / 30 DAY 236	0 / 0	0 / 30
Ulcer Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355	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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:57:39
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Unknown	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Urine Stain	0 / 0	1 / 30 DAY 52	0 / 0	2 / 30 DAY 52	0 / 0	2 / 30 DAY 159	0 / 0	5 / 30 DAY 129

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:40
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

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	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	7 / 30 DAY 45	0 / 0	3 / 30 DAY 24	0 / 0	4 / 30 DAY 52	0 / 0	4 / 30 DAY 94
(Skin Paint Only) Discoloration	0 / 0	23 / 30 DAY 3	0 / 0	18 / 30 DAY 3	0 / 0	3 / 30 DAY 3	0 / 0	13 / 30 DAY 3
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	2 / 30 DAY 278	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	29 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	25 / 30 DAY 3	0 / 0	30 / 30 DAY 3
(Skin Paint Only) Thin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Abnormal Posture	0 / 0	7 / 30 DAY 229	0 / 0	4 / 30 DAY 230	0 / 0	3 / 30 DAY 229	0 / 0	2 / 30 DAY 264

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:42
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Body Ventral	0 / 0	2 / 30 DAY 278	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	9 / 30 DAY 218	0 / 0	0 / 30	0 / 0	0 / 30
Colored Feces	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Comatose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Cyanosis Entire Animal	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	1 / 30 DAY 299	0 / 0	0 / 30
Discharge 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:44
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discharge Both Ears	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173	0 / 0	1 / 30 DAY 218
Discharge Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Left Ear	0 / 0	1 / 30 DAY 257	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Left Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 348	0 / 0	1 / 30 DAY 348	0 / 0	0 / 30
Discharge Right Ear	0 / 0	2 / 30 DAY 257	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	2 / 30 DAY 173	0 / 0	1 / 30 DAY 201
Discharge Site Of Application (Skin Paint)	0 / 0	0 / 30	0 / 0	6 / 30 DAY 218	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:46
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Body Dorsal	0 / 0	1 / 30 DAY 265	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Dyspnea	0 / 0	2 / 30 DAY 236	0 / 0	1 / 30 DAY 264	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	6 / 30 DAY 45	0 / 0	7 / 30 DAY 159	0 / 0	8 / 30 DAY 159	0 / 0	4 / 30 DAY 218
Exophthalmos Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30
Exophthalmos Left Eye	0 / 0	0 / 30	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	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:48
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Head Tilted	0 / 0	1 / 30 DAY 236	0 / 0	0 / 30	0 / 0	2 / 30 DAY 150	0 / 0	0 / 30
Hypoactivity	0 / 0	3 / 30 DAY 59	0 / 0	1 / 30 DAY 285	0 / 0	2 / 30 DAY 194	0 / 0	1 / 30 DAY 278
Irritation	0 / 0	29 / 30 DAY 3	0 / 0	30 / 30 DAY 10	0 / 0	20 / 30 DAY 10	0 / 0	29 / 30 DAY 10
Micro-Ophthalmia Left Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30	0 / 0	0 / 30
Micro-Ophthalmia Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 236	0 / 0	1 / 30 DAY 230
Missing Anatomy Both Ears	0 / 0	1 / 30 DAY 355	0 / 0	0 / 30	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30
Missing Anatomy Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Mouth	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:50
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

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	1 / 30 DAY 229	0 / 0	0 / 30
Opacity Both Eyes	0 / 0	1 / 30 DAY 313	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Left Eye	0 / 0	0 / 30	0 / 0	2 / 30 DAY 257	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30
Opacity Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 180	0 / 0	1 / 30 DAY 278
Other	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 202	0 / 0	0 / 30
Override	0 / 0	4 / 30 DAY 3	0 / 0	4 / 30 DAY 3	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355
Pallor 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:52
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Pallor Entire Animal	0 / 0	1 / 30 DAY 313	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30
Papilloma	0 / 0	4 / 30 DAY 159	0 / 0	17 / 30 DAY 150	0 / 0	0 / 30	0 / 0	1 / 30 DAY 264
Prolapse Anal Area	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Prolapse Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 334	0 / 0	1 / 30 DAY 243
Reddened Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 31	0 / 0	0 / 30
Reddened Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ruffled Fur	0 / 0	14 / 30 DAY 66	0 / 0	10 / 30 DAY 115	0 / 0	8 / 30 DAY 137	0 / 0	4 / 30 DAY 173
Sore Both Ears	0 / 0	3 / 30 DAY 150	0 / 0	3 / 30 DAY 101	0 / 0	3 / 30 DAY 59	0 / 0	1 / 30 DAY 264

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:54
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Both Eyes	0 / 0	1 / 30 DAY 313	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 108	0 / 0	0 / 30
Sore Groin	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 236	0 / 0	0 / 30
Sore Left Ear	0 / 0	3 / 30 DAY 115	0 / 0	3 / 30 DAY 94	0 / 0	1 / 30 DAY 285	0 / 0	1 / 30 DAY 230
Sore Left Eye	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	1 / 30 DAY 194	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 Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Neck	0 / 0	1 / 30 DAY 229	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:55
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	2 / 30 DAY 137	0 / 0	2 / 30 DAY 144	0 / 0	7 / 30 DAY 122	0 / 0	1 / 30 DAY 236
Sore Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 122	0 / 0	1 / 30 DAY 222
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Tail	0 / 0	1 / 30 DAY 218	0 / 0	1 / 30 DAY 194	0 / 0	3 / 30 DAY 173	0 / 0	0 / 30
Swelling Body Dorsal	0 / 0	7 / 30 DAY 187	0 / 0	2 / 30 DAY 201	0 / 0	2 / 30 DAY 201	0 / 0	1 / 30 DAY 222
Swelling Body Ventral	0 / 0	9 / 30 DAY 222	0 / 0	3 / 30 DAY 173	0 / 0	3 / 30 DAY 250	0 / 0	2 / 30 DAY 250
Swelling Both Eyes	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:57:58
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320	0 / 0	1 / 30 DAY 230
Swelling Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Groin	0 / 0	3 / 30 DAY 201	0 / 0	3 / 30 DAY 236	0 / 0	5 / 30 DAY 187	0 / 0	2 / 30 DAY 306
Swelling Hip	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	0 / 30	0 / 0	0 / 30
Swelling Mouth	0 / 0	1 / 30 DAY 222	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30	0 / 0	1 / 30 DAY 236
Swelling Neck	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Penis	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 285

* 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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:57:59
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 53**

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Ear	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320	0 / 0	1 / 30 DAY 187
Swelling Shoulder	0 / 0	8 / 30 DAY 243	0 / 0	4 / 30 DAY 236	0 / 0	1 / 30 DAY 243	0 / 0	2 / 30 DAY 230
Swelling	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	1 / 30 DAY 101	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	8 / 30 DAY 31	0 / 0	20 / 30 DAY 137	0 / 0	0 / 30	0 / 0	2 / 30 DAY 150
Tissue Mass Body Ventral	0 / 0	1 / 30 DAY 264	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 330	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:01
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Right Front Leg	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	12 / 30 DAY 10	0 / 0	15 / 30 DAY 10	0 / 0	6 / 30 DAY 24	0 / 0	4 / 30 DAY 159
Ulcer Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 243	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	7 / 30 DAY 159	0 / 0	5 / 30 DAY 159	0 / 0	5 / 30 DAY 159	0 / 0	2 / 30 DAY 201
Ulcer Both Ears	0 / 0	1 / 30 DAY 313	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 250	0 / 0	4 / 30 DAY 173	0 / 0	1 / 30 DAY 159
Ulcer Groin	0 / 0	1 / 30 DAY 250	0 / 0	1 / 30 DAY 243	0 / 0	1 / 30 DAY 250	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:03
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	5 / 30 DAY 159	0 / 0	4 / 30 DAY 180	0 / 0	5 / 30 DAY 159	0 / 0	3 / 30 DAY 201
Ulcer Left Rear Foot	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 Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 166	0 / 0	1 / 30 DAY 257
Ulcer Neck	0 / 0	5 / 30 DAY 115	0 / 0	4 / 30 DAY 129	0 / 0	5 / 30 DAY 101	0 / 0	3 / 30 DAY 243
Ulcer Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:05
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Ear	0 / 0	2 / 30 DAY 257	0 / 0	0 / 30	0 / 0	1 / 30 DAY 299	0 / 0	0 / 30
Ulcer Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 166	0 / 0	1 / 30 DAY 159
Ulcer Right Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	6 / 30 DAY 201	0 / 0	4 / 30 DAY 194	0 / 0	7 / 30 DAY 159	0 / 0	0 / 30
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Scrotum	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Shoulder	0 / 0	1 / 30 DAY 250	0 / 0	0 / 30	0 / 0	2 / 30 DAY 230	0 / 0	0 / 30
Ulcer Tail	0 / 0	1 / 30 DAY 243	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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:58:07
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Unknown	0 / 0	1 / 30 DAY 24	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Urine Stain	0 / 0	2 / 30 DAY 187	0 / 0	4 / 30 DAY 52	0 / 0	5 / 30 DAY 52	0 / 0	3 / 30 DAY 52

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:07
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

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	0 / 30	0 / 0	1 / 30 DAY 115	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Clipper Injury	0 / 0	2 / 30 DAY 3	0 / 0	0 / 30	0 / 0	1 / 30 DAY 3	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	14 / 30 DAY 10	0 / 0	16 / 30 DAY 10	0 / 0	7 / 30 DAY 24	0 / 0	21 / 30 DAY 10
(Skin Paint Only) Discoloration	0 / 0	29 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	26 / 30 DAY 3	0 / 0	30 / 30 DAY 3
(Skin Paint Only) Erosion	0 / 0	1 / 30 DAY 17	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 24
(Skin Paint Only) Scaly	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 3
(Skin Paint Only) Thin	0 / 0	0 / 30	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	0 / 30
Abnormal Posture	0 / 0	4 / 30 DAY 229	0 / 0	4 / 30 DAY 229	0 / 0	9 / 30 DAY 229	0 / 0	4 / 30 DAY 229

* 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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

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

SEX :MALE **WEEK: 53**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 143
Alopecia Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	1 / 30 DAY 278	0 / 0	5 / 30 DAY 173	0 / 0	0 / 30	0 / 0	5 / 30 DAY 243
Colored Feces	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 187
Comatose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 278	0 / 0	0 / 30
Cyanosis Entire Animal	0 / 0	1 / 30 DAY 306	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	0 / 30	0 / 0	1 / 30 DAY 320	0 / 0	2 / 30 DAY 129	0 / 0	2 / 30 DAY 101
Discharge Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 194	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:11
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discharge Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Groin	0 / 0	1 / 30 DAY 330	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Left Ear	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	1 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 201	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right Eye	0 / 0	1 / 30 DAY 173	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Site Of Application (Skin Paint)	0 / 0	2 / 30 DAY 166	0 / 0	5 / 30 DAY 159	0 / 0	0 / 30	0 / 0	10 / 30 DAY 159

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:13
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discoloration Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 180	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30
Dyspnea	0 / 0	3 / 30 DAY 87	0 / 0	0 / 30	0 / 0	1 / 30 DAY 229	0 / 0	1 / 30 DAY 236
Emaciated	0 / 0	6 / 30 DAY 159	0 / 0	9 / 30 DAY 159	0 / 0	11 / 30 DAY 159	0 / 0	8 / 30 DAY 159
Exophthalmos Both Eyes	0 / 0	0 / 30	0 / 0	2 / 30 DAY 173	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30
Exophthalmos Left Eye	0 / 0	1 / 30 DAY 201	0 / 0	0 / 30	0 / 0	1 / 30 DAY 194	0 / 0	0 / 30
Exophthalmos Right 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:15
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Head Tilted	0 / 0	2 / 30 DAY 236	0 / 0	3 / 30 DAY 150	0 / 0	8 / 30 DAY 150	0 / 0	3 / 30 DAY 230
Hypoactivity	0 / 0	4 / 30 DAY 87	0 / 0	2 / 30 DAY 166	0 / 0	2 / 30 DAY 257	0 / 0	3 / 30 DAY 187
Irritation	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 3	0 / 0	30 / 30 DAY 10	0 / 0	30 / 30 DAY 10
Micro-Ophthalmia Left Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 278	0 / 0	0 / 30	0 / 0	0 / 30
Micro-Ophthalmia Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Both Ears	0 / 0	1 / 30 DAY 159	0 / 0	2 / 30 DAY 144	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 355	0 / 0	0 / 30
Missing Anatomy Mouth	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

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

SEX :MALE WEEK: 53

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	0 / 30	0 / 0	1 / 30 DAY 136	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Both Eyes	0 / 0	1 / 30 DAY 306	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 285	0 / 0	0 / 30
Opacity Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Right Eye	0 / 0	2 / 30 DAY 285	0 / 0	3 / 30 DAY 243	0 / 0	0 / 30	0 / 0	1 / 30 DAY 201
Other	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Override	0 / 0	2 / 30 DAY 355	0 / 0	1 / 30 DAY 355	0 / 0	5 / 30 DAY 350	0 / 0	4 / 30 DAY 136
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

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

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 271	0 / 0	6 / 30 DAY 180	0 / 0	10 / 30 DAY 159
Papilloma	0 / 0	11 / 30 DAY 48	0 / 0	13 / 30 DAY 45	0 / 0	16 / 30 DAY 52	0 / 0	23 / 30 DAY 48
Prolapse Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Prolapse Penis	0 / 0	1 / 30 DAY 334	0 / 0	0 / 30	0 / 0	2 / 30 DAY 194	0 / 0	1 / 30 DAY 334
Reddened Both Ears	0 / 0	0 / 30	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	0 / 0	0 / 30
Ruffled Fur	0 / 0	8 / 30 DAY 87	0 / 0	18 / 30 DAY 115	0 / 0	20 / 30 DAY 59	0 / 0	22 / 30 DAY 66
Sore Both Ears	0 / 0	2 / 30 DAY 87	0 / 0	3 / 30 DAY 52	0 / 0	2 / 30 DAY 66	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:20
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Both Eyes	0 / 0	0 / 30	0 / 0	1 / 30 DAY 243	0 / 0	0 / 30	0 / 0	0 / 30
Sore Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 217	0 / 0	0 / 30	0 / 0	0 / 30
Sore Groin	0 / 0	0 / 30	0 / 0	1 / 30 DAY 264	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Ear	0 / 0	2 / 30 DAY 108	0 / 0	7 / 30 DAY 73	0 / 0	3 / 30 DAY 136	0 / 0	0 / 30
Sore Left Eye	0 / 0	1 / 30 DAY 87	0 / 0	1 / 30 DAY 257	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Rear Foot	0 / 0	0 / 30	0 / 0	1 / 30 DAY 264	0 / 0	1 / 30 DAY 278	0 / 0	0 / 30
Sore Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Neck	0 / 0	1 / 30 DAY 236	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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:58:22
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 53**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	3 / 30 DAY 137	0 / 0	6 / 30 DAY 59	0 / 0	2 / 30 DAY 59	0 / 0	1 / 30 DAY 143
Sore Right Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 201	0 / 0	1 / 30 DAY 330	0 / 0	1 / 30 DAY 150
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159
Sore Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 166	0 / 0	0 / 30	0 / 0	2 / 30 DAY 201
Swelling Body Dorsal	0 / 0	2 / 30 DAY 194	0 / 0	4 / 30 DAY 201	0 / 0	6 / 30 DAY 194	0 / 0	6 / 30 DAY 187
Swelling Body Ventral	0 / 0	4 / 30 DAY 180	0 / 0	8 / 30 DAY 201	0 / 0	14 / 30 DAY 222	0 / 0	11 / 30 DAY 159
Swelling Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 348

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:24
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Face	0 / 0	1 / 30 DAY 173	0 / 0	0 / 30	0 / 0	3 / 30 DAY 173	0 / 0	3 / 30 DAY 159
Swelling Genitalia	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Groin	0 / 0	1 / 30 DAY 159	0 / 0	3 / 30 DAY 243	0 / 0	3 / 30 DAY 180	0 / 0	0 / 30
Swelling Hip	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	1 / 30 DAY 222	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Mouth	0 / 0	1 / 30 DAY 187	0 / 0	0 / 30	0 / 0	3 / 30 DAY 159	0 / 0	6 / 30 DAY 159
Swelling Neck	0 / 0	2 / 30 DAY 159	0 / 0	0 / 30	0 / 0	2 / 30 DAY 166	0 / 0	4 / 30 DAY 162
Swelling Penis	0 / 0	0 / 30	0 / 0	1 / 30 DAY 292	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:26
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 229	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 348	0 / 0	0 / 30
Swelling Shoulder	0 / 0	4 / 30 DAY 229	0 / 0	3 / 30 DAY 229	0 / 0	11 / 30 DAY 229	0 / 0	5 / 30 DAY 115
Swelling	0 / 0	3 / 30 DAY 187	0 / 0	3 / 30 DAY 166	0 / 0	0 / 30	0 / 0	7 / 30 DAY 162
Thickened	0 / 0	0 / 30	0 / 0	4 / 30 DAY 159	0 / 0	2 / 30 DAY 187	0 / 0	4 / 30 DAY 201
Tissue Mass Body Dorsal	0 / 0	14 / 30 DAY 32	0 / 0	16 / 30 DAY 31	0 / 0	18 / 30 DAY 38	0 / 0	23 / 30 DAY 31
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 166
Tissue Mass Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 257	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:28
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

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 Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 299	0 / 0	0 / 30
Tissue Mass Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 166
Ulcer	0 / 0	17 / 30 DAY 10	0 / 0	29 / 30 DAY 10	0 / 0	25 / 30 DAY 10	0 / 0	29 / 30 DAY 10
Ulcer Anal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	4 / 30 DAY 159	0 / 0	11 / 30 DAY 159	0 / 0	13 / 30 DAY 159	0 / 0	9 / 30 DAY 159
Ulcer Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 194	0 / 0	2 / 30 DAY 265	0 / 0	1 / 30 DAY 173
Ulcer Groin	0 / 0	1 / 30 DAY 166	0 / 0	2 / 30 DAY 243	0 / 0	2 / 30 DAY 180	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:29
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 285	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	3 / 30 DAY 159	0 / 0	4 / 30 DAY 159	0 / 0	8 / 30 DAY 159	0 / 0	8 / 30 DAY 159
Ulcer Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 201	0 / 0	0 / 30
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 159	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	4 / 30 DAY 229	0 / 0	5 / 30 DAY 94	0 / 0	6 / 30 DAY 115	0 / 0	4 / 30 DAY 129
Ulcer Nose	0 / 0	0 / 30	0 / 0	1 / 30 DAY 334	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:31
 First Dose M/F: NA / NA
 Lab: BAT

SEX :MALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	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 Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 136
Ulcer Right Front Leg	0 / 0	2 / 30 DAY 166	0 / 0	7 / 30 DAY 159	0 / 0	12 / 30 DAY 159	0 / 0	8 / 30 DAY 159
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Scrotum	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Shoulder	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 236	0 / 0	0 / 30
Ulcer Tail	0 / 0	0 / 30	0 / 0	1 / 30 DAY 173	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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:58:33
First Dose M/F: NA / NA
Lab: BAT

SEX :MALE **WEEK: 53**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Unknown	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Urine Stain	0 / 0	1 / 30 DAY 264	0 / 0	3 / 30 DAY 159	0 / 0	7 / 30 DAY 159	0 / 0	3 / 30 DAY 129

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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:33
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Clipper Injury	0 / 0	1 / 30 DAY 265	0 / 0	1 / 30 DAY 84	0 / 0	1 / 30 DAY 7	0 / 0	3 / 30 DAY 35
(Skin Paint Only) Crusty	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	9 / 30 DAY 14	0 / 0	13 / 30 DAY 14
(Skin Paint Only) Discoloration	0 / 0	1 / 30 DAY 91	0 / 0	0 / 30	0 / 0	19 / 30 DAY 7	0 / 0	25 / 30 DAY 7
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 21
(Skin Paint Only) Scaly	0 / 0	5 / 30 DAY 91	0 / 0	11 / 30 DAY 14	0 / 0	29 / 30 DAY 7	0 / 0	30 / 30 DAY 7
Abnormal Posture	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 265
Alopecia Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 28
Alopecia Body Ventral	0 / 0	0 / 30	0 / 0	1 / 30 DAY 349	0 / 0	2 / 30 DAY 251	0 / 0	3 / 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:37
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Neck	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	1 / 30 DAY 251	0 / 0	1 / 30 DAY 307
Cyanosis Entire Animal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30
Diarrhea	0 / 0	1 / 30 DAY 342	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 Right Ear	0 / 0	1 / 30 DAY 300	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	0 / 0	1 / 30 DAY 300

* 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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:58:38
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 53**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discharge	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	5 / 30 DAY 154
Discharge Vaginal Area	0 / 0	0 / 30	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 272	0 / 0	0 / 30
Discoloration Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 169	0 / 0	0 / 30
Dyspnea	0 / 0	1 / 30 DAY 356	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	1 / 30 DAY 335	0 / 0	1 / 30 DAY 154	0 / 0	1 / 30 DAY 154	0 / 0	6 / 30 DAY 174
Exophthalmos 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:40
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Exophthalmos Right Eye	0 / 0	0 / 30	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	0 / 0	0 / 30
Hypoactivity	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	1 / 30 DAY 188
Irritation	0 / 0	6 / 30 DAY 21	0 / 0	16 / 30 DAY 14	0 / 0	29 / 30 DAY 7	0 / 0	30 / 30 DAY 7
Micro-Ophthalmia Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 293
Micro-Ophthalmia Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 300
Missing Anatomy Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 126
Missing Anatomy Right 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:42
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Opacity Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	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 258
Opacity Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 188
Other	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 169	0 / 0	0 / 30
Override	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 356	0 / 0	2 / 30 DAY 356
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	2 / 30 DAY 174
Papilloma	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	5 / 30 DAY 56	0 / 0	9 / 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:44
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Reddened Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 36	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	3 / 30 DAY 330	0 / 0	1 / 30 DAY 119	0 / 0	2 / 30 DAY 134	0 / 0	11 / 30 DAY 112
Sore Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 140
Sore Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30
Sore Left Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	3 / 30 DAY 63
Sore Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 244
Sore Left 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:45
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133
Sore Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	2 / 30 DAY 272	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 56
Sore Right Eye	0 / 0	1 / 30 DAY 286	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 258
Sore Right Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	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
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	5 / 30 DAY 181

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:47
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Body Ventral	0 / 0	1 / 30 DAY 349	0 / 0	0 / 30	0 / 0	2 / 30 DAY 272	0 / 0	3 / 30 DAY 77
Swelling Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 169	0 / 0	4 / 30 DAY 181
Swelling Left Rear 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	2 / 30 DAY 154
Swelling Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 160	0 / 0	3 / 30 DAY 167
Swelling Right Front Leg	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	2 / 30 DAY 272
Swelling Site Of Application (Skin Paint)	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 258

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:48
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 293
Thickened	0 / 0	1 / 30 DAY 91	0 / 0	0 / 30	0 / 0	1 / 30 DAY 349	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	8 / 30 DAY 43	0 / 0	12 / 30 DAY 32
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Head	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140
Tissue Mass Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Right Front Leg	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

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:50
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 314
Ulcer	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	20 / 30 DAY 7	0 / 0	27 / 30 DAY 7
Ulcer Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 15
Ulcer Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 160	0 / 0	9 / 30 DAY 112
Ulcer Face	0 / 0	2 / 30 DAY 314	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230
Ulcer Left Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133
Ulcer Left Front Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154	0 / 0	8 / 30 DAY 133
Ulcer Left Rear Foot	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:51
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Rear Leg	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	2 / 30 DAY 330	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	5 / 30 DAY 91
Ulcer Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Ear	0 / 0	2 / 30 DAY 321	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 174	0 / 0	0 / 30
Ulcer Right Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133
Ulcer Right Front Leg	0 / 0	2 / 30 DAY 335	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	6 / 30 DAY 154

* 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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:58:53
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 53**

OBSERVATIONS	VEHICLE CONTROL		MNNG 100/ACETONE		MNNG 500/ACETONE		MNNG1000/ACETONE	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
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	0 / 30	0 / 0	0 / 30
Ulcer Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:54
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
(Skin Paint Only) Clipper Injury	0 / 0	1 / 30 DAY 35	0 / 0	0 / 30	0 / 0	1 / 30 DAY 14	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	3 / 30 DAY 126	0 / 0	3 / 30 DAY 14	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Discoloration	0 / 0	1 / 30 DAY 21	0 / 0	2 / 30 DAY 14	0 / 0	0 / 30	0 / 0	1 / 30 DAY 14
(Skin Paint Only) Erosion	0 / 0	1 / 30 DAY 167	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
(Skin Paint Only) Scaly	0 / 0	26 / 30 DAY 7	0 / 0	29 / 30 DAY 7	0 / 0	9 / 30 DAY 7	0 / 0	20 / 30 DAY 7
Abnormal Posture	0 / 0	1 / 30 DAY 230	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	1 / 30 DAY 77	0 / 0	1 / 30 DAY 48
Alopecia Body Ventral	0 / 0	2 / 30 DAY 300	0 / 0	0 / 30	0 / 0	1 / 30 DAY 77	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:56
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Alopecia Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Carcinoma	0 / 0	0 / 30	0 / 0	4 / 30 DAY 265	0 / 0	0 / 30	0 / 0	0 / 30
Cyanosis Entire Animal	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 Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 342	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:58:57
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discharge	0 / 0	1 / 30 DAY 279	0 / 0	3 / 30 DAY 244	0 / 0	1 / 30 DAY 293	0 / 0	0 / 30
Discharge Vaginal Area	0 / 0	1 / 30 DAY 335	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	0 / 30	0 / 0	0 / 30
Discoloration Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discoloration Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Dyspnea	0 / 0	1 / 30 DAY 181	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Emaciated	0 / 0	2 / 30 DAY 160	0 / 0	3 / 30 DAY 251	0 / 0	1 / 30 DAY 321	0 / 0	1 / 30 DAY 230
Exophthalmos 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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:58:59
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 53**

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Exophthalmos Right Eye	0 / 0	0 / 30	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	0 / 0	0 / 30
Hypoactivity	0 / 0	1 / 30 DAY 244	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Irritation	0 / 0	28 / 30 DAY 7	0 / 0	30 / 30 DAY 14	0 / 0	18 / 30 DAY 14	0 / 0	25 / 30 DAY 14
Micro-Ophthalmia Left Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Micro-Ophthalmia Right Eye	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	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 272	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:00
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Opacity Both Eyes	0 / 0	1 / 30 DAY 356	0 / 0	0 / 30	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	0 / 30
Opacity Right Eye	0 / 0	1 / 30 DAY 349	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
Override	0 / 0	5 / 30 DAY 356	0 / 0	6 / 30 DAY 356	0 / 0	0 / 30	0 / 0	1 / 30 DAY 356
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	1 / 30 DAY 279	0 / 0	4 / 30 DAY 279	0 / 0	0 / 30	0 / 0	0 / 30
Papilloma	0 / 0	8 / 30 DAY 106	0 / 0	17 / 30 DAY 167	0 / 0	0 / 30	0 / 0	3 / 30 DAY 119

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:02
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Reddened Left Ear	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	9 / 30 DAY 133	0 / 0	12 / 30 DAY 140	0 / 0	2 / 30 DAY 307	0 / 0	2 / 30 DAY 167
Sore Both Ears	0 / 0	0 / 30	0 / 0	1 / 30 DAY 314	0 / 0	0 / 30	0 / 0	0 / 30
Sore Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Ear	0 / 0	1 / 30 DAY 217	0 / 0	1 / 30 DAY 321	0 / 0	0 / 30	0 / 0	1 / 30 DAY 237
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	1 / 30 DAY 167	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:03
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Sore Left Rear Foot	0 / 0	1 / 30 DAY 181	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 314
Sore Right Ear	0 / 0	2 / 30 DAY 202	0 / 0	2 / 30 DAY 244	0 / 0	1 / 30 DAY 237	0 / 0	2 / 30 DAY 154
Sore Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Front Leg	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	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
Swelling Body Dorsal	0 / 0	0 / 30	0 / 0	1 / 30 DAY 217	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:05
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Body Ventral	0 / 0	8 / 30 DAY 202	0 / 0	5 / 30 DAY 272	0 / 0	2 / 30 DAY 321	0 / 0	0 / 30
Swelling Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 167
Swelling Left Rear Foot	0 / 0	1 / 30 DAY 217	0 / 0	0 / 30	0 / 0	1 / 30 DAY 356	0 / 0	0 / 30
Swelling Mouth	0 / 0	2 / 30 DAY 174	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Neck	0 / 0	0 / 30	0 / 0	1 / 30 DAY 349	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 Shoulder	0 / 0	4 / 30 DAY 258	0 / 0	4 / 30 DAY 258	0 / 0	1 / 30 DAY 300	0 / 0	1 / 30 DAY 244
Swelling Site Of Application (Skin Paint)	0 / 0	0 / 30	0 / 0	1 / 30 DAY 349	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:06
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Body Dorsal	0 / 0	8 / 30 DAY 91	0 / 0	20 / 30 DAY 154	0 / 0	0 / 30	0 / 0	6 / 30 DAY 105
Tissue Mass Body Ventral	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Head	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133
Tissue Mass Right Front Leg	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	1 / 30 DAY 272

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:08
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Tissue Mass Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	9 / 30 DAY 91	0 / 0	10 / 30 DAY 14	0 / 0	2 / 30 DAY 231	0 / 0	2 / 30 DAY 14
Ulcer Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	2 / 30 DAY 154	0 / 0	1 / 30 DAY 300	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230
Ulcer Face	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	2 / 30 DAY 174
Ulcer Left Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	3 / 30 DAY 154	0 / 0	1 / 30 DAY 300	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Rear Foot	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30	0 / 0	1 / 30 DAY 314	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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:09
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Rear Leg	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	2 / 30 DAY 307	0 / 0	0 / 30	0 / 0	1 / 30 DAY 244
Ulcer Nose	0 / 0	0 / 30	0 / 0	1 / 30 DAY 321	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 321	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	1 / 30 DAY 174	0 / 0	1 / 30 DAY 265	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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:11
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	TPA 5 COMPLETE		MNNG100/COMPLETE		BPO 20 COMPLETE		MNNG 100/BPO 20	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 356	0 / 0	0 / 30
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Shoulder	0 / 0	1 / 30 DAY 230	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Tail	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:11
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

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) Clipper Injury	0 / 0	0 / 30	0 / 0	2 / 30 DAY 35	0 / 0	2 / 30 DAY 35	0 / 0	0 / 30
(Skin Paint Only) Crusty	0 / 0	11 / 30 DAY 14	0 / 0	13 / 30 DAY 14	0 / 0	6 / 30 DAY 14	0 / 0	16 / 30 DAY 14
(Skin Paint Only) Discoloration	0 / 0	22 / 30 DAY 7	0 / 0	25 / 30 DAY 7	0 / 0	3 / 30 DAY 14	0 / 0	25 / 30 DAY 7
(Skin Paint Only) Erosion	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 21
(Skin Paint Only) Scaly	0 / 0	30 / 30 DAY 7	0 / 0	30 / 30 DAY 7	0 / 0	30 / 30 DAY 14	0 / 0	29 / 30 DAY 7
Abnormal Posture	0 / 0	0 / 30	0 / 0	1 / 30 DAY 251	0 / 0	2 / 30 DAY 230	0 / 0	4 / 30 DAY 7
Alopecia Body Dorsal	0 / 0	1 / 30 DAY 112	0 / 0	4 / 30 DAY 35	0 / 0	2 / 30 DAY 63	0 / 0	2 / 30 DAY 28
Alopecia Body Ventral	0 / 0	1 / 30 DAY 112	0 / 0	4 / 30 DAY 28	0 / 0	4 / 30 DAY 119	0 / 0	2 / 30 DAY 160

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:13
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Alopecia Left Rear Leg	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 140	0 / 0	0 / 30
Alopecia Neck	0 / 0	1 / 30 DAY 335	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133
Carcinoma	0 / 0	4 / 30 DAY 217	0 / 0	3 / 30 DAY 279	0 / 0	1 / 30 DAY 279	0 / 0	5 / 30 DAY 160
Cyanosis Entire Animal	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	1 / 30 DAY 314	0 / 0	0 / 30
Discharge Left Eye	0 / 0	1 / 30 DAY 188	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right Ear	0 / 0	0 / 30	0 / 0	1 / 30 DAY 195	0 / 0	0 / 30	0 / 0	0 / 30
Discharge Right Eye	0 / 0	0 / 30	0 / 0	2 / 30 DAY 174	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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:59:15
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 53**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Discharge	0 / 0	1 / 30 DAY 265	0 / 0	5 / 30 DAY 154	0 / 0	2 / 30 DAY 231	0 / 0	4 / 30 DAY 162
Discharge Vaginal Area	0 / 0	0 / 30	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	0 / 30	0 / 0	1 / 30 DAY 272
Discoloration Entire Animal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 300	0 / 0	0 / 30
Discoloration Right Eye	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	5 / 30 DAY 154	0 / 0	3 / 30 DAY 7	0 / 0	2 / 30 DAY 160	0 / 0	6 / 30 DAY 7
Exophthalmos Left Eye	0 / 0	0 / 30	0 / 0	1 / 30 DAY 244	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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:59:16
First Dose M/F: NA / NA
Lab: BAT

SEX :FEMALE **WEEK: 53**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Exophthalmos Right Eye	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 174
Head Tilted	0 / 0	1 / 30 DAY 231	0 / 0	0 / 30	0 / 0	2 / 30 DAY 230	0 / 0	0 / 30
Hypoactivity	0 / 0	2 / 30 DAY 154	0 / 0	1 / 30 DAY 286	0 / 0	1 / 30 DAY 279	0 / 0	1 / 30 DAY 231
Irritation	0 / 0	30 / 30 DAY 7	0 / 0	30 / 30 DAY 7	0 / 0	30 / 30 DAY 14	0 / 0	29 / 30 DAY 7
Micro-Ophthalmia Left Eye	0 / 0	1 / 30 DAY 181	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Micro-Ophthalmia Right Eye	0 / 0	1 / 30 DAY 272	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Missing Anatomy Left Ear	0 / 0	1 / 30 DAY 154	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	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: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

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

SEX :FEMALE **WEEK: 53**

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Opacity Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Left Eye	0 / 0	1 / 30 DAY 217	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Opacity Right Eye	0 / 0	1 / 30 DAY 265	0 / 0	0 / 30	0 / 0	1 / 30 DAY 200	0 / 0	0 / 30
Other	0 / 0	0 / 30	0 / 0	1 / 30 DAY 244	0 / 0	0 / 30	0 / 0	0 / 30
Override	0 / 0	3 / 30 DAY 356	0 / 0	3 / 30 DAY 356	0 / 0	9 / 30 DAY 356	0 / 0	6 / 30 DAY 356
Pallor Both Ears	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 237	0 / 0	0 / 30
Pallor Entire Animal	0 / 0	0 / 30	0 / 0	2 / 30 DAY 265	0 / 0	2 / 30 DAY 231	0 / 0	3 / 30 DAY 231
Papilloma	0 / 0	13 / 30 DAY 42	0 / 0	19 / 30 DAY 48	0 / 0	21 / 30 DAY 91	0 / 0	21 / 30 DAY 43

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

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

SEX :FEMALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Reddened Left Ear	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	1 / 30 DAY 28	0 / 0	0 / 30	0 / 0	0 / 30
Ruffled Fur	0 / 0	5 / 30 DAY 77	0 / 0	11 / 30 DAY 77	0 / 0	11 / 30 DAY 140	0 / 0	17 / 30 DAY 84
Sore Both Ears	0 / 0	0 / 30	0 / 0	3 / 30 DAY 70	0 / 0	0 / 30	0 / 0	0 / 30
Sore Both Eyes	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Ear	0 / 0	1 / 30 DAY 112	0 / 0	2 / 30 DAY 98	0 / 0	0 / 30	0 / 0	2 / 30 DAY 167
Sore Left Eye	0 / 0	1 / 30 DAY 202	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Left Front Leg	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:20
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

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 Rear Foot	0 / 0	0 / 30	0 / 0	1 / 30 DAY 167	0 / 0	1 / 30 DAY 321	0 / 0	0 / 30
Sore Neck	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Nose	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Ear	0 / 0	1 / 30 DAY 133	0 / 0	3 / 30 DAY 56	0 / 0	0 / 30	0 / 0	0 / 30
Sore Right Eye	0 / 0	0 / 30	0 / 0	2 / 30 DAY 160	0 / 0	0 / 30	0 / 0	1 / 30 DAY 167
Sore Right Front Leg	0 / 0	1 / 30 DAY 160	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Sore Tail	0 / 0	1 / 30 DAY 202	0 / 0	3 / 30 DAY 154	0 / 0	0 / 30	0 / 0	1 / 30 DAY 174
Swelling Body Dorsal	0 / 0	2 / 30 DAY 195	0 / 0	4 / 30 DAY 188	0 / 0	3 / 30 DAY 174	0 / 0	3 / 30 DAY 195

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:22
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Body Ventral	0 / 0	2 / 30 DAY 195	0 / 0	4 / 30 DAY 244	0 / 0	7 / 30 DAY 217	0 / 0	7 / 30 DAY 231
Swelling Face	0 / 0	2 / 30 DAY 181	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230	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 Mouth	0 / 0	1 / 30 DAY 181	0 / 0	2 / 30 DAY 154	0 / 0	2 / 30 DAY 279	0 / 0	0 / 30
Swelling Neck	0 / 0	3 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Right Front Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30
Swelling Shoulder	0 / 0	1 / 30 DAY 251	0 / 0	4 / 30 DAY 244	0 / 0	8 / 30 DAY 230	0 / 0	3 / 30 DAY 231
Swelling Site Of Application (Skin Paint)	0 / 0	3 / 30 DAY 174	0 / 0	6 / 30 DAY 188	0 / 0	1 / 30 DAY 349	0 / 0	3 / 30 DAY 195

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:23
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Thickened	0 / 0	1 / 30 DAY 300	0 / 0	6 / 30 DAY 154	0 / 0	0 / 30	0 / 0	3 / 30 DAY 7
Tissue Mass Body Dorsal	0 / 0	13 / 30 DAY 32	0 / 0	21 / 30 DAY 32	0 / 0	21 / 30 DAY 77	0 / 0	22 / 30 DAY 32
Tissue Mass Body Ventral	0 / 0	1 / 30 DAY 314	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Head	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Right Ear	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Tissue Mass Right Front Leg	0 / 0	1 / 30 DAY 328	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

* 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: 051117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:25
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

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 Vaginal Area	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer	0 / 0	14 / 30 DAY 14	0 / 0	23 / 30 DAY 7	0 / 0	15 / 30 DAY 14	0 / 0	28 / 30 DAY 7
Ulcer Body Dorsal	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Body Ventral	0 / 0	4 / 30 DAY 154	0 / 0	6 / 30 DAY 154	0 / 0	2 / 30 DAY 154	0 / 0	3 / 30 DAY 154
Ulcer Face	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Foot	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Left Front Leg	0 / 0	2 / 30 DAY 154	0 / 0	3 / 30 DAY 154	0 / 0	2 / 30 DAY 154	0 / 0	4 / 30 DAY 154
Ulcer Left Rear Foot	0 / 0	0 / 30	0 / 0	1 / 30 DAY 342	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133

* 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:26
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Left Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 251	0 / 0	0 / 30	0 / 0	1 / 30 DAY 126
Ulcer Mouth	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	1 / 30 DAY 154
Ulcer Neck	0 / 0	2 / 30 DAY 126	0 / 0	0 / 30	0 / 0	1 / 30 DAY 244	0 / 0	0 / 30
Ulcer Nose	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	1 / 30 DAY 167	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Eye	0 / 0	0 / 30	0 / 0	2 / 30 DAY 174	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Foot	0 / 0	0 / 30	0 / 0	1 / 30 DAY 133	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Front Leg	0 / 0	3 / 30 DAY 154	0 / 0	4 / 30 DAY 154	0 / 0	2 / 30 DAY 300	0 / 0	2 / 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: 05117-05
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
 Time Report Requested: 17:59:28
 First Dose M/F: NA / NA
 Lab: BAT

SEX :FEMALE WEEK: 53

OBSERVATIONS	MNNG 500/BPO 20		MNNG1000/BPO 20		MNNG 100/TPA 5		MNNG1000/TPA 5	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Ulcer Right Rear Foot	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Right Rear Leg	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Shoulder	0 / 0	0 / 30	0 / 0	1 / 30 DAY 230	0 / 0	0 / 30	0 / 0	0 / 30
Ulcer Tail	0 / 0	1 / 30 DAY 195	0 / 0	1 / 30 DAY 147	0 / 0	1 / 30 DAY 349	0 / 0	1 / 30 DAY 356
Urine Stain	0 / 0	1 / 30 DAY 237	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: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/19/2014
Time Report Requested: 17:59:28
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