C Number:	C61994C
Lock Date:	04/09/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	04/29/1994

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/22/2014
Time Report Requested: 18:11:00
First Dose M/F: NA / NA
Lab: BAT

SENCAR Mouse Male
VEHICLE CONTROL

DAY ON TEST	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0365
ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029	00030	00018	
Alimentary System																															
NONE																															
Cardiovascular System																															
NONE																															
Endocrine System																															
NONE																															
General Body System																															
NONE																															
Genital System																															
NONE																															
Hematopoietic System																															
NONE																															
Integumentary System																															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+	+	
Skin, SOA-No Mass																			+								+				
Musculoskeletal System																															
NONE																															
Nervous System																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
VEHICLE CONTROL

DAY ON TEST	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0065
ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029	00030	00018	
NONE																															
Respiratory System																															
NONE																															
Special Senses System																															
NONE																															
Urinary System																															
NONE																															
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
VEHICLE CONTROL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	28
Skin, SOA-No Mass	2

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
VEHICLE CONTROL

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
DMBA0.25 /TPA 1

DAY ON TEST	01 27	01 27	01 27	01 27	01 29	01 62	01 62	01 69	01 71	01 75	01 97	02 40	02 44	02 53	02 86	02 87	02 88	02 89	02 97	03 23	03 24	03 63	03 63	03 63	03 63	03 63	03 63	03 77	03 79	04 80
ANIMAL ID	00044	00045	00054	00060	00049	00039	00053	00056	00057	00051	00058	00055	00038	00033	00047	00036	00041	00052	00046	00048	00034	00031	00032	00035	00040	00042	00059	00037	00050	00043
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin	+	+														+				+								+		+
Skin, Control	+		+	+		+	+	+	+	+	+		+			+	+	+	+		+	+	+	+	+	+	+		+	+
Skin, SOA-Mass												+			+					+	+		+	+		+	+			
Keratoacanthoma																				X										
Squamous Cell Carcinoma												X									X			X			X			
Squamous Cell Carcinoma, Multiple															X					X										

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
DMBA0.25 /TPA 1

DAY ON TEST	01 27	01 27	01 27	01 27	01 29	01 62	01 62	01 69	01 71	01 75	01 97	02 40	02 44	02 53	02 86	02 87	02 88	02 89	02 97	03 23	03 24	03 63	03 63	03 63	03 63	03 63	03 63	03 77	03 79	00 80
ANIMAL ID	0004 4	0004 5	0005 4	0006 0	0004 9	0003 9	0005 3	0005 6	0005 7	0005 1	0005 8	0005 5	0003 8	0003 3	0004 7	0003 6	0004 1	0005 2	0004 6	0004 8	0003 4	0003 1	0003 2	0003 5	0004 0	0004 2	0005 9	0003 7	0005 0	0004 3
Squamous Cell Papilloma																					X		X			X				
Squamous Cell Papilloma, Multiple															X															
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
DMBA0.25 /TPA 1

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	6
Skin, Control	23
Skin, SOA-Mass	8
Keratoacanthoma	1
Squamous Cell Carcinoma	4
Squamous Cell Carcinoma, Multiple	2
Squamous Cell Papilloma	3

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
DMBA0.25 /TPA 1

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	1
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
DMBA 2.5 /TPA 1

DAY ON TEST	01 13	01 27	01 50	00 16	01 62	01 62	01 67	01 72	01 81	01 97	01 98	01 99	01 99	02 02	02 02	02 16	02 33	02 44	02 57	02 65	02 79	02 87	03 04	03 24	03 24	03 24	03 63	03 63	00 91	00 91
ANIMAL ID	00074	00082	00081	00062	00063	00066	00071	00072	00090	00086	00079	00069	00075	00067	00088	00080	00077	00070	00089	00085	00087	00076	00083	00061	00064	00078	00068	00084	00065	00073
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin		+		+													+	+	+											
Skin, Control	+	+		+	+	+		+	+	+	+	+	+	+	+		+	+			+	+	+	+	+		+		+	+
Skin, SOA-Mass				+			+		+				+		+	+			+	+	+	+	+	+		+	+			
Squamous Cell Carcinoma				X												X	X				X	X				X	X			
Squamous Cell Carcinoma, Multiple									X											X										
Squamous Cell Papilloma									X								X						X			X				

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
DMBA 2.5 /TPA 1

DAY ON TEST	01 13	01 27	01 50	00 16	01 62	01 62	01 67	01 72	01 81	01 97	01 98	01 99	01 99	02 02	02 02	02 16	02 33	02 44	02 57	02 65	02 79	02 87	03 04	03 24	03 24	03 24	03 63	03 63	00 91	00 91
ANIMAL ID	00074	00082	00081	00062	00063	00066	00071	00072	00090	00086	00079	00069	00075	00067	00088	00080	00077	00070	00089	00085	00087	00076	00083	00061	00064	00078	00068	00084	00065	00073
Squamous Cell Papilloma, Multiple								X						X					X	X				X						
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	5
Skin, Control	23
Skin, SOA-Mass	14
Squamous Cell Carcinoma	7
Squamous Cell Carcinoma, Multiple	2
Squamous Cell Papilloma	4
Squamous Cell Papilloma, Multiple	5

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5 /TPA 1

ANIMAL ID

	*TOTALS
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/22/2014
Time Report Requested: 18:11:01
First Dose M/F: NA / NA
Lab: BAT

SENCAR Mouse Male
DMBA 25 /TPA 1

DAY ON TEST	01 27	01 29	01 33	01 48	01 62	01 62	01 64	02 34	02 44	02 47	02 50	02 51	02 53	02 60	02 61	02 61	02 65	02 65	02 67	02 81	02 89	02 93	02 96	03 03	03 14	03 40	03 41	03 55	03 63	00 99
ANIMAL ID	00 11 1	00 10 2	00 09 8	00 10 0	00 09 1	00 10 8	00 11 0	00 11 5	00 09 5	00 10 6	00 11 2	00 11 4	00 11 7	00 09 3	00 10 9	00 11 8	00 10 3	00 10 7	00 11 9	00 09 7	00 10 1	00 09 4	00 10 5	00 09 6	00 12 0	00 10 4	00 11 3	00 09 2	00 11 6	00 09 9
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin			+					+							+	+								+				+	
Skin, Control	+			+	+		+		+	+		+		+	+	+		+	+	+	+	+		+		+		+	+	+
Skin, SOA-Mass	+				+	+		+	+	+	+		+		+	+	+	+	+			+	+	+	+	+	+		+	+	
Keratoacanthoma, Multiple																								X		X					
Squamous Cell Carcinoma	X				X				X	X	X		X		X	X	X	X	X		X			X		X	X		X		
Squamous Cell Carcinoma, Multiple								X															X		X						

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/22/2014
Time Report Requested: 18:11:01
First Dose M/F: NA / NA
Lab: BAT

SENCAR Mouse Male
DMBA 25 /TPA 1

DAY ON TEST	01 27	01 29	01 33	01 48	01 62	01 62	01 64	02 34	02 44	02 47	02 50	02 51	02 53	02 60	02 61	02 61	02 65	02 65	02 67	02 81	02 89	02 93	02 96	03 03	03 14	03 40	03 41	03 55	03 63	00 99
ANIMAL ID	001 111	001 102	000 098	001 000	000 911	001 081	001 110	001 155	000 955	001 066	001 122	001 144	001 177	000 933	001 099	001 188	001 033	001 077	001 199	000 977	001 011	000 944	001 055	000 966	001 200	001 044	001 133	000 922	001 166	000 999
Squamous Cell Papilloma					X	X				X																			X	
Squamous Cell Papilloma, Multiple								X					X										X		X	X				
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
DMBA 25 /TPA 1

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	6
Skin, Control	20
Skin, SOA-Mass	21
Keratoacanthoma, Multiple	2
Squamous Cell Carcinoma	16
Squamous Cell Carcinoma, Multiple	3
Squamous Cell Papilloma	4

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
DMBA 25 /TPA 1

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	5
Skin, SOA-No Mass	29
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
TPA 1/ COMPLETE

DAY ON TEST	*0113*	*0133*	*0134*	*0150*	*0150*	*0164*	*0175*	*0233*	*0234*	*0244*	*0244*	*0244*	*0246*	*0246*	*0258*	*0265*	*0286*	*0288*	*0295*	*0339*	*0363*	*0363*	*0363*	*0363*	*0363*	*0363*	*0363*	*0363*	*0363*	*0083*
ANIMAL ID	00131	00127	00141	00132	00146	00134	00126	00137	00150	00125	00130	00145	00129	00133	00124	00123	00121	00143	00149	00135	00122	00128	00136	00139	00140	00142	00144	00147	00148	00138
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin							+							+																
Skin, Control	+	+		+	+	+	+	+	+	+		+		+		+		+	+	+				+		+		+	+	+
Skin, SOA-Mass										+																				
Squamous Cell Carcinoma										X																				
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
TPA 1/ COMPLETE

DAY ON TEST	01 13	01 33	01 34	01 50	01 50	01 64	01 75	02 33	02 34	02 44	02 44	02 44	02 46	02 46	02 58	02 65	02 86	02 88	02 95	03 39	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	00 83
ANIMAL ID	001 311	001 271	001 411	001 322	001 466	001 344	001 266	001 377	001 500	001 255	001 300	001 455	001 299	001 333	001 244	001 223	001 211	001 443	001 499	001 355	001 222	001 288	001 366	001 399	001 400	001 422	001 444	001 477	001 488	001 388
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
TPA 1/ COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	2
Skin, Control	20
Skin, SOA-Mass	1
Squamous Cell Carcinoma	1
Skin, SOA-No Mass	30

Musculoskeletal System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
TPA 1/ COMPLETE

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
MNNG 100 /TPA 1

DAY ON TEST	01 34	01 49	01 62	01 67	01 69	01 71	01 81	01 83	01 99	02 11	02 15	02 17	02 46	02 46	02 60	02 60	02 65	02 88	02 97	02 97	03 03	03 47	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63
ANIMAL ID	001 511	001 779	001 776	001 773	001 770	001 557	001 774	001 553	001 666	001 559	001 555	001 600	001 669	001 777	001 554	001 668	001 665	001 664	001 552	001 775	001 558	001 772	001 556	001 611	001 622	001 663	001 667	001 711	001 778	001 800
Alimentary System																															
NONE																															
Cardiovascular System																															
NONE																															
Endocrine System																															
NONE																															
General Body System																															
NONE																															
Genital System																															
NONE																															
Hematopoietic System																															
NONE																															
Integumentary System																															
Skin	+		+					+					+			+					+	+								
Skin, Control		+	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+			+				+	+		+	+
Skin, SOA-Mass			+									+					+			+	+	+	+	+	+			+		
Squamous Cell Carcinoma																	X				X							X			
Squamous Cell Carcinoma, Multiple												X								X											
Squamous Cell Papilloma																				X											

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
MNNG 100 /TPA 1

DAY ON TEST	01 34	01 49	01 62	01 67	01 69	01 71	01 81	01 83	01 99	02 11	02 15	02 17	02 46	02 46	02 60	02 60	02 65	02 88	02 97	02 97	03 03	03 47	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63
ANIMAL ID	00 151	00 179	00 176	00 173	00 170	00 157	00 174	00 153	00 166	00 159	00 155	00 160	00 169	00 177	00 154	00 168	00 165	00 164	00 152	00 175	00 158	00 172	00 156	00 161	00 162	00 163	00 167	00 171	00 178	00 180
Squamous Cell Papilloma, Multiple																							X	X	X					
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
MNNG 100 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	7
Skin, Control	21
Skin, SOA-Mass	10
Squamous Cell Carcinoma	3
Squamous Cell Carcinoma, Multiple	2
Squamous Cell Papilloma	1
Squamous Cell Papilloma, Multiple	3

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
MNNG 100 /TPA 1

ANIMAL ID

	*TOTALS
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
MNNG1000 /TPA 1

DAY ON TEST	0120	0148	0148	0148	0150	0156	0156	0159	0160	0167	0169	0182	0183	0197	0197	0199	0211	0212	0224	0226	0244	0260	0273	0274	0363	0038	0050	0083	0091	0099
ANIMAL ID	00199	00195	00197	00205	00210	00190	00202	00201	00206	00208	00196	00198	00203	00204	00209	00207	00188	00182	00187	00200	00194	00181	00191	00192	00185	00184	00189	00183	00193	00186
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin	+	+			+				+			+				+													
Skin, Control	+	+	+					+		+	+	+	+				+	+	+			+							
Skin, SOA-Mass	+	+	+	+	+	+	+		+	+		+		+	+	+	+		+	+		+	+	+			+		
Basal Cell Carcinoma		X																												
Squamous Cell Carcinoma			X	X	X	X	X		X	X		X		X		X			X	X		X	X						
Squamous Cell Carcinoma, Multiple															X		X							X			X		

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Male
MNNG1000 /TPA 1

DAY ON TEST	01 20	01 48	01 48	01 48	01 50	01 56	01 56	01 59	01 60	01 67	01 69	01 82	01 83	01 97	01 97	01 99	02 11	02 12	02 24	02 26	02 44	02 60	02 73	02 74	03 63	00 38	00 50	00 83	00 91	00 99
ANIMAL ID	00199	00195	00197	00205	00210	00190	00202	00201	00206	00208	00196	00198	00203	00204	00209	00207	00188	00182	00187	00200	00194	00181	00191	00192	00185	00184	00189	00183	00193	00186
Squamous Cell Papilloma			X			X																								
Squamous Cell Papilloma, Multiple	X						X																							
Subcut Tiss, Sarcoma																							X							
Skin, SOA-No Mass	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Subcut Tiss, Sarcoma	X																													
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
MNNG1000 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	6
Skin, Control	12
Skin, SOA-Mass	20
Basal Cell Carcinoma	1
Squamous Cell Carcinoma	14
Squamous Cell Carcinoma, Multiple	4
Squamous Cell Papilloma	2

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
MNNG1000 /TPA 1

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	2
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	29
Subcut Tiss, Sarcoma	1
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

DAY ON TEST

SENCAR Mouse Male
SENTINEL MALE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Male
SENTINEL MALE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
VEHICLE CONTROL

DAY ON TEST	014	0158	0214	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363
ANIMAL ID	00240	00212	00216	00211	00213	00214	00215	00217	00218	00219	00220	00221	00222	00223	00224	00225	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Mammary Gland													+																	
Carcinoma Nos													X																	
Skin	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin, SOA-No Mass	+																													
Musculoskeletal System																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
VEHICLE CONTROL

DAY ON TEST	001 4	015 8	021 4	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3	036 3
ANIMAL ID	00240	00212	00216	00211	00213	00214	00215	00217	00218	00219	00220	00221	00222	00223	00224	00225	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
VEHICLE CONTROL

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Mammary Gland	1
Carcinoma Nos	1
Skin	29
Skin, SOA-No Mass	1
Musculoskeletal System	
NONE	

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
VEHICLE CONTROL

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
DMBA0.25 /TPA 1

DAY ON TEST	01 06	01 13	01 20	01 20	01 57	01 67	01 98	01 99	02 11	02 44	02 47	02 47	02 59	02 86	02 87	02 89	02 93	03 16	03 16	03 36	03 42	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	00 99
ANIMAL ID	00244	00266	00247	00249	00253	00241	00250	00252	00267	00265	00255	00264	00268	00269	00251	00270	00248	00243	00254	00261	00258	00242	00245	00246	00256	00257	00260	00262	00263	00259
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin						+		+									+													
Squamous Cell Papilloma																	X													
Skin, Control	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	
Skin, SOA-Mass					+														+		+	+	+	+	+	+		+		
Squamous Cell Carcinoma																			X				X							
Squamous Cell Papilloma					X														X			X		X	X			X		

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
DMBA0.25 /TPA 1

DAY ON TEST	01 06	01 13	01 20	01 20	01 57	01 67	01 98	01 99	02 11	02 44	02 47	02 47	02 59	02 86	02 87	02 89	02 93	03 16	03 16	03 36	03 42	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 99
ANIMAL ID	00 24 4	00 26 6	00 24 7	00 24 9	00 25 3	00 24 1	00 25 0	00 25 2	00 26 7	00 26 5	00 25 5	00 26 4	00 26 8	00 26 9	00 25 1	00 27 0	00 24 8	00 24 3	00 25 4	00 26 1	00 25 8	00 24 2	00 24 5	00 24 6	00 25 6	00 25 7	00 26 0	00 26 2	00 26 3	00 25 9
Squamous Cell Papilloma, Multiple																					X		X			X					
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																															
NONE																															
Nervous System																															
NONE																															
Respiratory System																															
NONE																															
Special Senses System																															
NONE																															
Urinary System																															
NONE																															
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
DMBA0.25 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	3
Squamous Cell Papilloma	1
Skin, Control	25
Skin, SOA-Mass	9
Squamous Cell Carcinoma	2
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	3

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
DMBA0.25 /TPA 1

ANIMAL ID

	*TOTALS
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
DMBA 2.5 /TPA 1

DAY ON TEST	01 50	01 69	02 12	02 21	02 23	02 39	02 53	02 57	02 61	02 73	02 74	02 88	02 89	02 97	03 03	03 03	03 03	03 06	03 07	03 11	03 30	03 45	03 45	03 63	03 63	03 63	03 63	03 63	03 63	03 63	00 63
ANIMAL ID	00281	00294	00274	00291	00286	00278	00296	00300	00280	00290	00283	00298	00289	00273	00275	00284	00288	00279	00272	00292	00276	00285	00287	00271	00277	00282	00293	00297	00299	00295

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+		+																					+						
Basal Cell Carcinoma																									X						
Skin, Control	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+		+	+	+	+	+	
Skin, SOA-Mass			+	+		+	+	+	+	+	+		+	+		+		+	+	+	+	+	+	+	+	+					
Keratoacanthoma											X																				
Keratoacanthoma, Multiple						X																									

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
DMBA 2.5 /TPA 1

DAY ON TEST	01 50	01 69	02 12	02 21	02 23	02 39	02 53	02 57	02 61	02 73	02 74	02 88	02 89	02 97	03 03	03 03	03 03	03 06	03 07	03 11	03 30	03 45	03 45	03 63	03 63	03 63	03 63	03 63	03 63	03 63	00 63
ANIMAL ID	00 281	00 294	00 274	00 291	00 286	00 278	00 296	00 300	00 280	00 290	00 283	00 298	00 289	00 273	00 275	00 284	00 288	00 279	00 272	00 292	00 276	00 285	00 287	00 271	00 277	00 282	00 293	00 297	00 299	00 295
Squamous Cell Carcinoma				X			X		X				X						X	X		X	X		X	X				
Squamous Cell Carcinoma, Multiple										X	X			X		X														
Squamous Cell Papilloma			X							X	X			X							X	X		X						
Squamous Cell Papilloma, Multiple								X								X		X							X					
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	4
Basal Cell Carcinoma	1
Skin, Control	26
Skin, SOA-Mass	20
Keratoacanthoma	1
Keratoacanthoma, Multiple	1
Squamous Cell Carcinoma	10

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5 /TPA 1

ANIMAL ID

	*TOTALS
Squamous Cell Carcinoma, Multiple	4
Squamous Cell Papilloma	7
Squamous Cell Papilloma, Multiple	4
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
DMBA 25 /TPA 1

DAY ON TEST	0103	0150	0155	0183	0193	0198	0198	0199	0211	0217	0226	0227	0246	0251	0253	0261	0261	0271	0272	0278	0280	0288	0296	0303	0307	0322	0323	0330	0363
ANIMAL ID	00326	00313	00329	00308	00324	00307	00314	00310	00317	00325	00309	00327	00319	00318	00301	00302	00328	00320	00312	00316	00323	00305	00322	00321	00311	00315	00306	00304	00303	00330
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin				+																	+								
Skin, Control		+			+	+	+	+		+	+	+	+			+		+	+	+			+	+	+	+		+	+	
Skin, SOA-Mass	+	+	+					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+
Keratoacanthoma																										X				
Squamous Cell Carcinoma	X								X	X		X	X	X	X	X				X							X	X		X
Squamous Cell Carcinoma, Multiple		X																			X	X		X	X	X			X	

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/22/2014
Time Report Requested: 18:11:03
First Dose M/F: NA / NA
Lab: BAT

SENCAR Mouse Female
DMBA 25 /TPA 1

DAY ON TEST	01 03	01 50	01 55	01 83	01 93	01 98	01 98	01 99	02 11	02 17	02 26	02 27	02 46	02 51	02 53	02 61	02 61	02 71	02 72	02 72	02 78	02 80	02 88	02 96	03 03	03 07	03 22	03 23	03 30	03 63
ANIMAL ID	00326	00313	00329	00308	00324	00307	00314	00310	00317	00325	00309	00327	00319	00318	00301	00302	00328	00320	00312	00316	00323	00305	00322	00321	00311	00315	00306	00304	00303	00330
Squamous Cell Papilloma				X				X			X										X				X					
Squamous Cell Papilloma, Multiple															X			X	X	X				X		X	X	X	X	
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
DMBA 25 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	2
Skin, Control	19
Skin, SOA-Mass	25
Keratoacanthoma	1
Squamous Cell Carcinoma	12
Squamous Cell Carcinoma, Multiple	7
Squamous Cell Papilloma	5

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
DMBA 25 /TPA 1

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	9
Skin, SOA-No Mass	28
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/22/2014
Time Report Requested: 18:11:03
First Dose M/F: NA / NA
Lab: BAT

SENCAR Mouse Female TPA 1/ COMPLETE

DAY ON TEST	0106	0120	0126	0133	0133	0134	0161	0169	0183	0198	0202	0224	0227	0240	0251	0293	0345	0354	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0077	0097
ANIMAL ID	00351	00340	00344	00354	00357	00332	00338	00345	00342	00334	00348	00353	00347	00355	00360	00346	00331	00341	00333	00336	00337	00343	00349	00350	00352	00356	00358	00359	00339	00335
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin									+																					+
Skin, Control	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+			+	+	+	+	+		+		+
Skin, SOA-Mass																			+							+				
Squamous Cell Papilloma																			X											
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
TPA 1/ COMPLETE

DAY ON TEST	0106	0120	0126	0133	0133	0134	0161	0169	0183	0198	0202	0224	0227	0240	0251	0293	0345	0354	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0077	0097
ANIMAL ID	00351	00340	00344	00354	00357	00332	00338	00345	00342	00334	00348	00353	00347	00355	00360	00346	00331	00341	00333	00336	00337	00343	00349	00350	00352	00356	00358	00359	00339	00335
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
TPA 1/ COMPLETE

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	2
Skin, Control	24
Skin, SOA-Mass	2
Squamous Cell Papilloma	1
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
TPA 1/ COMPLETE

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
MNNG 100 /TPA 1

DAY ON TEST	0108	0133	0160	0160	0161	0212	0233	0259	0260	0267	0269	0289	0297	0316	0318	0330	0340	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363	0363
ANIMAL ID	003822	003779	003622	003855	003655	003777	003866	003755	003883	003722	003773	003887	003900	003611	003699	003899	003740	003663	003644	003666	003677	003688	003700	003711	003776	003788	003800	003811	003844	003888		
Alimentary System																																
NONE																																
Cardiovascular System																																
NONE																																
Endocrine System																																
NONE																																
General Body System																																
NONE																																
Genital System																																
NONE																																
Hematopoietic System																																
NONE																																
Integumentary System																																
Skin									+	+					+																
Skin, Control			+		+		+	+	+			+	+	+					+	+			+			+	+	+		+	+
Skin, SOA-Mass						+					+	+	+	+		+	+			+		+	+	+	+		+	+			+
Squamous Cell Carcinoma						X							X	X		X							X	X							
Squamous Cell Papilloma												X												X				X			
Squamous Cell Papilloma, Multiple																	X		X		X				X	X			X		X

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
MNNG 100 /TPA 1

DAY ON TEST	01 08	01 33	01 60	01 60	01 61	02 12	02 33	02 59	02 60	02 67	02 69	02 89	02 97	03 16	03 18	03 30	03 40	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63	03 63
ANIMAL ID	00382	00379	00362	00385	00365	00377	00386	00375	00383	00372	00373	00387	00390	00361	00369	00389	00374	00363	00364	00366	00367	00368	00370	00371	00376	00378	00380	00381	00384	00388
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
MNNG 100 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	3
Skin, Control	16
Skin, SOA-Mass	16
Squamous Cell Carcinoma	6
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	7
Skin, SOA-No Mass	29

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
MNNG 100 /TPA 1

ANIMAL ID

	*TOTALS
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/22/2014
Time Report Requested: 18:11:04
First Dose M/F: NA / NA
Lab: BAT

SENCAR Mouse Female
MNNG1000 /TPA 1

DAY ON TEST	0108	0127	0134	0150	0155	0174	0197	0225	0227	0240	0246	0251	0253	0260	0297	0300	0303	0333	0362	0363	0363	0042	0042	0050	0050	0052	0057	0077	0091	0097
ANIMAL ID	00407	00401	00410	00416	00408	00396	00402	00411	00397	00393	00395	00412	00413	00417	00398	00400	00404	00405	00391	00392	00399	00403	00406	00418	00420	00419	00409	00394	00414	00415
Alimentary System																														
NONE																														
Cardiovascular System																														
NONE																														
Endocrine System																														
NONE																														
General Body System																														
NONE																														
Genital System																														
NONE																														
Hematopoietic System																														
NONE																														
Integumentary System																														
Skin					+										+							+	+		+			+		
Skin, Control	+	+	+				+								+	+	+		+			+	+	+			+		+	+
Skin, SOA-Mass	+	+	+		+		+		+	+		+		+		+	+	+	+		+				+	+				
Squamous Cell Carcinoma		X	X		X		X							X			X													
Squamous Cell Carcinoma, Multiple										X		X																		
Squamous Cell Papilloma	X													X																

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

SENCAR Mouse Female
MNNG1000 /TPA 1

DAY ON TEST	01 08	01 27	01 34	01 50	01 55	01 74	01 97	02 25	02 27	02 40	02 46	02 51	02 53	02 60	02 97	03 00	03 03	03 03	03 62	03 63	03 63	04 02	04 02	00 50	00 50	00 52	00 57	00 77	00 91	00 97
ANIMAL ID	00407	00401	00410	00416	00408	00396	00402	00411	00397	00393	00395	00412	00413	00417	00398	00400	00404	00405	00391	00392	00399	00403	00406	00418	00420	00419	00409	00394	00414	00415
Squamous Cell Papilloma, Multiple										X		X									X									
Subcut Tiss, Sarcoma									X					X				X												
Subcut Tiss, Sarcoma, Multiple																			X											
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
MNNG1000 /TPA 1

ANIMAL ID

	*TOTALS
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	6
Skin, Control	14
Skin, SOA-Mass	16
Squamous Cell Carcinoma	6
Squamous Cell Carcinoma, Multiple	2
Squamous Cell Papilloma	2
Squamous Cell Papilloma, Multiple	3

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
MNNG1000 /TPA 1

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	3
Subcut Tiss, Sarcoma, Multiple	1
Skin, SOA-No Mass	28
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
SENTINEL FEMALE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

DAY ON TEST

SENCAR Mouse Female
SENTINEL FEMALE

ANIMAL ID

	*TOTALS
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	0

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically