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

SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Disposition Summary						
Animals Initially In Study	**30**	**30**	**30**	**30**	**30**	**30**
Early Deaths						
Moribund Sacrifice	**1**	**22**	**22**	**25**	**17**	**20**
Natural Death		**2**	**6**	**4**	**4**	**2**
Survivors						
Terminal Sacrifice	**29**	**6**	**2**	**1**	**9**	**8**
Animals Examined Microscopically	**30**	**30**	**30**	**30**	**30**	**30**
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
Skin	(28)	(6)	(5)	(6)	(2)	(7)
Skin, Control	(0)	(23)	(23)	(20)	(20)	(21)
Skin, SOA-Mass	(0)	(8)	(14)	(21)	(1)	(10)
Basal Cell Carcinoma						

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Keratoacanthoma		2 (25%)				
Keratoacanthoma, Multiple				4 (19%)		
Squamous Cell Carcinoma		8 (100%)	14 (100%)	32 (152%)	1 (100%)	6 (60%)
Squamous Cell Carcinoma, Multiple		4 (50%)	4 (29%)	6 (29%)		4 (40%)
Squamous Cell Papilloma		6 (75%)	8 (57%)	8 (38%)		2 (20%)
Squamous Cell Papilloma, Multiple		2 (25%)	10 (71%)	10 (48%)		6 (60%)
Subcut Tiss, Sarcoma						
Skin, SOA-No Mass	(2)	(30)	(30)	(29)	(30)	(30)
Subcut Tiss, Sarcoma						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse MALE	MNNG1000 /TPA 1
Disposition Summary	
Animals Initially In Study	**30**
Early Deaths	
Moribund Sacrifice	**26**
Natural Death	**3**
Survivors	
Terminal Sacrifice	**1**
Animals Examined Microscopically	**30**
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	2 (10%)

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse MALE	MNNG1000 /TPA 1
Keratoacanthoma	
Keratoacanthoma, Multiple	
Squamous Cell Carcinoma	28 (140%)
Squamous Cell Carcinoma, Multiple	8 (40%)
Squamous Cell Papilloma	4 (20%)
Squamous Cell Papilloma, Multiple	4 (20%)
Subcut Tiss, Sarcoma	2 (10%)
Skin, SOA-No Mass	(29)
Subcut Tiss, Sarcoma	2 (7%)
MUSCULOSKELETAL SYSTEM	
None	
NERVOUS SYSTEM	
None	
RESPIRATORY SYSTEM	
None	
SPECIAL SENSES SYSTEM	
None	
URINARY SYSTEM	
None	

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Tumor Summary for MALE						
Total Animals with Primary Neoplasms (b)		**8**	**14**	**21**	**1**	**8**
Total Primary Neoplasms		**22**	**36**	**60**	**1**	**18**
Total Animals with Benign Neoplasms		**5**	**9**	**9**		**4**
Total Benign Neoplasms		**10**	**18**	**22**		**8**
Total Animals with Malignant Neoplasms		**6**	**9**	**19**	**1**	**5**
Total Malignant Neoplasms		**12**	**18**	**38**	**1**	**10**
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse MALE	MNNG1000 /TPA 1
Tumor Summary for MALE	
Total Animals with Primary Neoplasms (b)	**20**
Total Primary Neoplasms	**50**
Total Animals with Benign Neoplasms	**4**
Total Benign Neoplasms	**8**
Total Animals with Malignant Neoplasms	**20**
Total Malignant Neoplasms	**42**
Total Animals with Metastatic Neoplasms	
Total Metastatic Neoplasms	
Total Animals with Malignant Neoplasms Uncertain Primary Site	
Total Animals with Neoplasms Uncertain - Benign or Malignant	
Total Uncertain Neoplasms	

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Disposition Summary						
Animals Initially In Study	**30**	**30**	**30**	**30**	**30**	**30**
Early Deaths						
Moribund Sacrifice	**1**	**18**	**19**	**23**	**19**	**15**
Natural Death	**2**	**4**	**5**	**6**	**1**	**2**
Survivors						
Terminal Sacrifice	**27**	**8**	**6**	**1**	**10**	**13**
Animals Examined Microscopically	**30**	**30**	**30**	**30**	**30**	**30**
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
Mammary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Carcinoma Nos	1 (100%)					
Skin	(29)	(3)	(4)	(2)	(2)	(3)
Basal Cell Carcinoma			2 (50%)			

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Squamous Cell Papilloma		2 (67%)				
Skin, Control	(0)	(25)	(26)	(19)	(24)	(16)
Skin, SOA-Mass	(0)	(9)	(20)	(25)	(2)	(16)
Keratoacanthoma			2 (10%)	2 (8%)		
Keratoacanthoma, Multiple			2 (10%)			
Squamous Cell Carcinoma		4 (44%)	20 (100%)	24 (96%)		12 (75%)
Squamous Cell Carcinoma, Multiple			8 (40%)	14 (56%)		
Squamous Cell Papilloma		12 (133%)	14 (70%)	10 (40%)	1 (50%)	6 (38%)
Squamous Cell Papilloma, Multiple		6 (67%)	8 (40%)	18 (72%)		14 (88%)
Subcut Tiss, Sarcoma						
Subcut Tiss, Sarcoma, Multiple						
Skin, SOA-No Mass	(1)	(30)	(30)	(28)	(30)	(29)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse FEMALE	MNNG1000 /TPA 1
Disposition Summary	
Animals Initially In Study	**30**
Early Deaths	
Moribund Sacrifice	**24**
Natural Death	**4**
Survivors	
Terminal Sacrifice	**2**
Animals Examined Microscopically	**30**
ALIMENTARY SYSTEM	
None	
CARDIOVASCULAR SYSTEM	
None	
ENDOCRINE SYSTEM	
None	
GENERAL BODY SYSTEM	
None	
GENITAL SYSTEM	
None	
HEMATOPOIETIC SYSTEM	
None	
INTEGUMENTARY SYSTEM	
Mammary Gland	(0)
Carcinoma Nos	
Skin	(6)
Basal Cell Carcinoma	

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse FEMALE	MNNG1000 /TPA 1
Squamous Cell Papilloma	
Skin, Control	(14)
Skin, SOA-Mass	(16)
Keratoacanthoma	
Keratoacanthoma, Multiple	
Squamous Cell Carcinoma	12 (75%)
Squamous Cell Carcinoma, Multiple	4 (25%)
Squamous Cell Papilloma	4 (25%)
Squamous Cell Papilloma, Multiple	6 (38%)
Subcut Tiss, Sarcoma	6 (38%)
Subcut Tiss, Sarcoma, Multiple	2 (13%)
Skin, SOA-No Mass	(28)
MUSCULOSKELETAL SYSTEM	
None	
NERVOUS SYSTEM	
None	
RESPIRATORY SYSTEM	
None	
SPECIAL SENSES SYSTEM	
None	
URINARY SYSTEM	
None	

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	1	10	20	24	1	15
Total Primary Neoplasms	1	24	56	68	1	32
Total Animals with Benign Neoplasms		10	12	14	1	10
Total Benign Neoplasms		20	26	30	1	20
Total Animals with Malignant Neoplasms		2	14	19		6
Total Malignant Neoplasms		4	30	38		12
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant	1					
Total Uncertain Neoplasms	1					

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically

SENCAR Mouse FEMALE	MNNG1000 /TPA 1
Tumor Summary for FEMALE	
Total Animals with Primary Neoplasms (b)	**13**
Total Primary Neoplasms	**34**
Total Animals with Benign Neoplasms	**5**
Total Benign Neoplasms	**10**
Total Animals with Malignant Neoplasms	**11**
Total Malignant Neoplasms	**24**
Total Animals with Metastatic Neoplasms	
Total Metastatic Neoplasms	
Total Animals with Malignant Neoplasms Uncertain Primary Site	
Total Animals with Neoplasms Uncertain - Benign or Malignant	
Total Uncertain Neoplasms	

** END OF REPORT **

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors
* Number of animals with any tissue examined microscopically