Route: SKIN APPLICATION

Species/Strain: MICE/SKH-1/NCTR

Test Type: 1-YEAR

### P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate

CAS Number: 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Lab: NCTR

**C Number:** C20117

**Lock Date:** 12/01/2008

Cage Range: ALL

Date Range: ALL

**Reasons For Removal:** ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Male

**TDMSE Version:** 2.1.0

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Lab: NCTR

Species/Strain:	MICE/SKH-1/NCTR
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SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NO CREAMNO SSL-M	PH 7.0 NO SSL-M	2% RP NO SSL-M	.001% RANO SSL-M	NO CREAM6.75SSLM	PH 7.0 6.75SSLM
Disposition Summary						
Animals Initially in Study	34	36	36	36	36	36
Early Deaths  Moribund Sacrifice  Natural Death  Survivors	5 1	3 2	7 2	2	8 1	7 1
Moribund Sacrifice Terminal Sacrifice Harvest	1 27	29 2	3 24	1 20 13	25 2	1 27
Animals Examined Microscopically	34	36	24	13	35	36
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						

### HEMATOPOIETIC SYSTEM

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate CAS Number: 79-81-2

Time Report Requested: 11:50:12

Date Report Requested: 06/30/2009

First Dose M/F: 06/22/03 / NA

Lab: NCTR

Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NO CREAMNO SSL-M	PH 7.0 NO SSL-M	2% RP NO SSL-M	.001% RANO SSL-M	NO CREAM6.75SSLM	PH 7.0 6.75SS
ITEGUMENTARY SYSTEM						
Skin, Control Sarcoma	(34)	(36)	(0)	(0)	(35) 1 (3%)	(36)
Squamous Cell Papilloma Skin, Site Of Application Basal Cell Adenoma	(34)	(36)	(0)	(0)	1 (3%) (35)	(36)
Keratoacanthoma, One Squamous Cell Carcinoma, One Squamous Cell Carcinoma, Two Squamous Cell Carcinoma, Three Squamous Cell Carcinoma, Four Squamous Cell Carcinoma, Five Squamous Cell Carcinoma, Greater Than		3 (8%) 1 (3%)			2 (6%)	7 (19%) 2 (6%)
Five Squamous Cell Carcinoma In Situ, One Squamous Cell Carcinoma In Situ, Two Squamous Cell Carcinoma In Situ, Three Squamous Cell Carcinoma In Situ, Four Squamous Cell Carcinoma In Situ, Five Squamous Cell Carcinoma In Situ,					1 (3%)	5 (14%) 2 (6%) 1 (3%)
Greater Than Five Squamous Cell Papilloma, One Squamous Cell Papilloma, Two	1 (3%)	12 (33%) 4 (11%)			4 (11%)	5 (14%) 2 (6%)
Squamous Cell Papilloma, Three Squamous Cell Papilloma, Four		, ,			1 (3%)	5 (14%)
Squamous Cell Papilloma, Four Squamous Cell Papilloma, Greater Than Five		1 (3%)			1 (3%)	4 (11%) 5 (14%) 10 (28%)

### **NERVOUS SYSTEM**

a - Number of animals examined microscopically at site and number of animals with lesion

Route: SKIN APPLICATION

Test Type: 1-YEAR

### P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS

ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Species/Strain:	MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NO CREAMNO SSL-M	PH 7.0 NO SSL-M	2% RP NO SSL-M	.001% RANO SSL-M	NO CREAM6.75SSLM	PH 7.0 6.75SSLM
RESPIRATORY SYSTEM None						
SPECIAL SENSES SYSTEM None						
URINARY SYSTEM						
None 						

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate CAS Number: 79-81-2

Time Report Requested: 11:50:12

First Dose M/F: 06/22/03 / NA

Date Report Requested: 06/30/2009

Lab: NCTR

Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	.1% RP 6.75SSLM	.5% RP 6.75SSLM	1% RP 6.75SSLM	2% RP 6.75SSLM	.001% RA6.75SSLM	NO CREAM13.7SSLM
Disposition Summary						
Animals Initially in Study	36	35	36	36	36	36
Early Deaths Moribund Sacrifice Natural Death Survivors Moribund Sacrifice Terminal Sacrifice	3	3	1	4 2	1	1
Harvest Animals Examined Microscopically	33 36	32 35	35	30	35	35 36
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						

### HEMATOPOIETIC SYSTEM

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate CAS Number: 79-81-2

Time Report Requested: 11:50:12

Date Report Requested: 06/30/2009

First Dose M/F: 06/22/03 / NA

Lab: NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	.1% RP 6.75SSLM	.5% RP 6.75SSLM	1% RP 6.75SSLM	2% RP 6.75SSLM	.001% RA6.75SSLM	NO CREAM13.7SSL
TEGUMENTARY SYSTEM						
Skin, Control	(36)	(35)	(0)	(0)	(0)	(36)
Sarcoma	()	(00)	(-)	(-)	(-)	()
Squamous Cell Papilloma						
Skin, Site Of Application	(36)	(35)	(0)	(0)	(0)	(36)
Basal Cell Adenoma	, ,	1 (3%)	,	` ,	, ,	` ,
Keratoacanthoma, One	1 (3%)	, ,				
Squamous Cell Carcinoma, One	5 (Ì4%́)	15 (43%)				13 (36%)
Squamous Cell Carcinoma, Two	3 (8%)	2 (6%)				7 (19%)
Squamous Cell Carcinoma, Three	, ,	,				6 (17%)
Squamous Cell Carcinoma, Four						, ,
Squamous Cell Carcinoma, Five						1 (3%)
Squamous Cell Carcinoma, Greater Than						
Five						
Squamous Cell Carcinoma In Situ, One	7 (19%)	8 (23%)				7 (19%)
Squamous Cell Carcinoma In Situ, Two	3 (8%)	1 (3%)				3 (8%)
Squamous Cell Carcinoma In Situ, Three	1 (3%)					3 (8%)
Squamous Cell Carcinoma In Situ, Four						1 (3%)
Squamous Cell Carcinoma In Situ, Five						
Squamous Cell Carcinoma In Situ,						
Greater Than Five						
Squamous Cell Papilloma, One	4 (11%)	2 (6%)				12 (33%)
Squamous Cell Papilloma, Two	3 (8%)	1 (3%)				6 (17%)
Squamous Cell Papilloma, Three	1 (3%)	3 (9%)				1 (3%)
Squamous Cell Papilloma, Four	3 (8%)	6 (17%)				3 (8%)
Squamous Cell Papilloma, Five	3 (8%)	3 (9%)				
Squamous Cell Papilloma, Greater Than	18 (50%)	19 (54%)				1 (3%)
Five						

### **NERVOUS SYSTEM**

None

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Species/Strain: MICE/SKH-1/NCTR

Test Type: 1-YEAR

### P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS

ABRIDGED) (a) All-trans-retinyl palmitate

**CAS Number:** 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12

First Dose M/F: 06/22/03 / NA

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	.1% RP 6.75SSLM	.5% RP 6.75SSLM	1% RP 6.75SSLM	2% RP 6.75SSLM	.001% RA6.75SSLM	NO CREAM13.7SSLM
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

**Route: SKIN APPLICATION** 

Species/Strain: MICE/SKH-1/NCTR

HEMATOPOIETIC SYSTEM

None

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Lab: NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	PH 7.0 13.7SSLM	.1% RP 13.7SSLM	.5% RP 13.7SSLM	1% RP 13.7SSLM	2% RP 13.7SSLM	.001% RA13.7SSLM
Disposition Summary						
Animals Initially in Study	36	36	36	36	36	36
Early Deaths Moribund Sacrifice Natural Death Survivors Moribund Sacrifice Terminal Sacrifice	3	1	1	2 1	1 1	
Harvest Animals Examined Microscopically	33 36	35 36	35 36	33	34	36
ALIMENTARY SYSTEM  None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate CAS Number: 79-81-2

Time Report Requested: 11:50:12

Date Report Requested: 06/30/2009

First Dose M/F: 06/22/03 / NA

Lab: NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	PH 7.0 13.7SSLM	.1% RP 13.7SSLM	.5% RP 13.7SSLM	1% RP 13.7SSLM	2% RP 13.7SSLM	.001% RA13.7SSL
TEGUMENTARY SYSTEM						
Skin, Control	(36)	(36)	(36)	(0)	(0)	(0)
Sarcoma	(/	(/	(/	(-7	(-)	(-)
Squamous Cell Papilloma	1 (3%)					
Skin, Site Of Application	(36)	(36)	(36)	(0)	(0)	(0)
Basal Cell Adenoma	,	,	,	( )	( )	( )
Keratoacanthoma, One	1 (3%)	1 (3%)	1 (3%)			
Squamous Cell Carcinoma, One	10 (28%)	7 (19%)	7 (Ì9%́)			
Squamous Cell Carcinoma, Two	2 (6%)	7 (19%)	4 (11%)			
Squamous Cell Carcinoma, Three	6 (17%)	1 (3%)	,			
Squamous Cell Carcinoma, Four	,	` ,	1 (3%)			
Squamous Cell Carcinoma, Five	1 (3%)		,			
Squamous Cell Carcinoma, Greater Than	,					
Five						
Squamous Cell Carcinoma In Situ, One	12 (33%)	10 (28%)	13 (36%)			
Squamous Cell Carcinoma In Situ, Two	3 (8%)	3 (8%)	4 (11%)			
Squamous Cell Carcinoma In Situ, Three	2 (6%)	2 (6%)	1 (3%)			
Squamous Cell Carcinoma In Situ, Four	3 (8%)	1 (3%)				
Squamous Cell Carcinoma In Situ, Five	1 (3%)		1 (3%)			
Squamous Cell Carcinoma In Situ,	1 (3%)	1 (3%)				
Greater Than Five						
Squamous Cell Papilloma, One	3 (8%)	4 (11%)	3 (8%)			
Squamous Cell Papilloma, Two	8 (22%)	1 (3%)	1 (3%)			
Squamous Cell Papilloma, Three	3 (8%)	4 (11%)	3 (8%)			
Squamous Cell Papilloma, Four	2 (6%)	6 (17%)	6 (17%)			
Squamous Cell Papilloma, Five	2 (6%)	4 (11%)	2 (6%)			
Squamous Cell Papilloma, Greater Than Five	10 (28%)	15 (42%)	19 (53%)			

#### MUSCULOSKELETAL SYSTEM

None

### **NERVOUS SYSTEM**

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

None

### P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS

ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Lab: NCTR

Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE PH 7.0 13.7SSLM .1% RP 13.7SSLM 1% RP 13.7SSLM 2% RP 13.7SSLM .001% RA13.7SSLM

RESPIRATORY SYSTEM None

SPECIAL SENSES SYSTEM
None

URINARY SYSTEM

**Route: SKIN APPLICATION** 

Species/Strain: MICE/SKH-1/NCTR

HEMATOPOIETIC SYSTEM

None

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate CAS Number: 79-81-2

Time Report Requested: 11:50:12

Date Report Requested: 06/30/2009

First Dose M/F: 06/22/03 / NA

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NOCREAMM20.55SSL	1% RP NO SSL-M
Disposition Summary		
Animals Initially in Study	36	36
Early Deaths  Moribund Sacrifice	1	7
Natural Death	1	1
Survivors Moribund Sacrifice		
Terminal Sacrifice	24	8 20
Harvest Animals Examined Microscopically	34 36	20
ALIMENTARY SYSTEM		
None		
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
None		
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
None		

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

### P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate

CAS Number: 79-81-2

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Date Report Requested: 06/30/2009

Lab: NCTR

Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE NOCREAMM20.55SSL 1% RP NO SSL-M INTEGUMENTARY SYSTEM Skin, Control (36)(0)Sarcoma Squamous Cell Papilloma Skin, Site Of Application (0)(36)Basal Cell Adenoma Keratoacanthoma, One Squamous Cell Carcinoma, One 6 (17%) Squamous Cell Carcinoma, Two 8 (22%) Squamous Cell Carcinoma, Three 4 (11%) Squamous Cell Carcinoma, Four 5 (14%) Squamous Cell Carcinoma, Five 3 (8%) Squamous Cell Carcinoma, Greater Than 2 (6%) Five Squamous Cell Carcinoma In Situ, One 9 (25%) Squamous Cell Carcinoma In Situ, Two 3 (8%) Squamous Cell Carcinoma In Situ, Three 5 (14%) Squamous Cell Carcinoma In Situ, Four 1 (3%) Squamous Cell Carcinoma In Situ, Five 4 (11%) Squamous Cell Carcinoma In Situ, 3 (8%) Greater Than Five Squamous Cell Papilloma, One 7 (19%) Squamous Cell Papilloma, Two 3 (8%) Squamous Cell Papilloma, Three 7 (19%) Squamous Cell Papilloma, Four 2 (6%) Squamous Cell Papilloma, Five 1 (3%) Squamous Cell Papilloma, Greater Than 2 (6%) Five MUSCULOSKELETAL SYSTEM

#### **NERVOUS SYSTEM**

None

a - Number of animals examined microscopically at site and number of animals with lesion

**Route: SKIN APPLICATION** 

Species/Strain: MICE/SKH-1/NCTR

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate

CAS Number: 79-81-2

Date Report Requested: 06/30/2009

Time Report Requested: 11:50:12

First Dose M/F: 06/22/03 / NA

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NOCREAMM20.55SSL	1% RP NO SSL-M
RESPIRATORY SYSTEM		
None		
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		
None		

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate CAS Number: 79-81-2

Time Report Requested: 11:50:12

First Dose M/F: 06/22/03 / NA

Date Report Requested: 06/30/2009

Lab: NCTR

Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NO CREAMNO SSL-M	PH 7.0 NO SSL-M	2% RP NO SSL-M	.001% RANO SSL-M	NO CREAM6.75SSLM	PH 7.0 6.75SSLN
Tumor Summary for Males						
Total Animals with Primary Neoplasms (b)	1	18			8	32
Total Primary Neoplasms	1	21			11	48
Total Animals with Benign Neoplasms	1	18			6	31
Total Benign Neoplasms	1	20			7	31
Total Animals with Malignant Neoplasms		1			4	16
Total Malignant Neoplasms		1			4	17
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

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Time Report Requested: 11:50:12

Date Report Requested: 06/30/2009

First Dose M/F: 06/22/03 / NA

Lab: NCTR

Route: SKIN APPLICATION
Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	.1% RP 6.75SSLM	.5% RP 6.75SSLM	1% RP 6.75SSLM	2% RP 6.75SSLM	.001% RA6.75SSLM	NO CREAM13.7SSLN
Fumor Summary for Males						
Total Animals with Primary Neoplasms (b)	32	35				36
Total Primary Neoplasms	52	61				64
Total Animals with Benign Neoplasms	32	34				23
Total Benign Neoplasms	33	35				23
Total Animals with Malignant Neoplasms	17	21				30
Total Malignant Neoplasms	19	26				41
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

**Route: SKIN APPLICATION** 

Species/Strain: MICE/SKH-1/NCTR

Test Type: 1-YEAR

### P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Time Report Requested: 11:50:12

First Dose M/F: 06/22/03 / NA

Date Report Requested: 06/30/2009

Lab: NCTR

_						
SKH-1 HAIRLESS MICE (NCTR) MICE MALE	PH 7.0 13.7SSLM	.1% RP 13.7SSLM	.5% RP 13.7SSLM	1% RP 13.7SSLM	2% RP 13.7SSLM	.001% RA13.7SSLM

### **Tumor Summary for Males**

Total Animals with Primary Neoplasms (b) Total Primary Neoplasms	33 71	35 67	36 66
Total Animals with Benign Neoplasms	29	34	34
Total Benign Neoplasms	30	35	35
Total Animals with Malignant Neoplasms	27	27	26
Total Malignant Neoplasms	41	32	31

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

**Route: SKIN APPLICATION** 

Test Type: 1-YEAR

# P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

All-trans-retinyl palmitate **CAS Number:** 79-81-2

Time Report Requested: 11:50:12 First Dose M/F: 06/22/03 / NA

Date Report Requested: 06/30/2009

Lab: NCTR

Species/Strain: MICE/SKH-1/NCTR

SKH-1 HAIRLESS MICE (NCTR) MICE MALE	NOCREAMM20.55SSL	1% RP NO SSL-M
Tumor Summary for Males		
Total Animals with Primary Neoplasms (b)	34	
Total Primary Neoplasms	75	
Total Animals with Benign Neoplasms	22	
Total Benign Neoplasms	22	
Total Animals with Malignant Neoplasms	31	
Total Malignant Neoplasms	53	
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 \*\*\*

\*\*\* 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