

TDMS No. 20117 - 02

Test Type: 1-YEAR

Route: SKIN APPLICATION

Species/Strain: MICE/SKH-1/NCTR

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

All-trans-retinyl palmitate

CAS Number: 79-81-2

Date Report Requested: 06/29/2009

Time Report Requested: 16:32:02

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

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: Female
TDMSE Version: 2.1.0

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	NO CREAMNO SSL-F	PH 7.0 NO SSL-F	2% RP NO SSL-F	.001% RANO SSL-F	NO CREAM6.75SSLF	PH 7.0 6.75SSLF
Disposition Summary						
Animals Initially in Study	36	36	36	36	36	36
Early Deaths						
Accidently Killed						
Moribund Sacrifice		3	16		2	
Natural Death	1		1	1	1	2
Survivors						
Moribund Sacrifice	1	3		1		
Terminal Sacrifice	34	28		29	30	24
Harvest		2	19	5	3	10
Animals Examined Microscopically	36	36			36	36

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	NO CREAMNO SSL-F	PH 7.0 NO SSL-F	2% RP NO SSL-F	.001% RANO SSL-F	NO CREAM6.75SSLF	PH 7.0 6.75SSLF
INTEGUMENTARY SYSTEM						
Skin, Control	(36)	(36)	(0)	(0)	(36)	(36)
Abscess	1 (3%)				1 (3%)	
Cyst Epithelial Inclusion	2 (6%)	4 (11%)			4 (11%)	6 (17%)
Edema						
Hyperplasia, Squamous Atypical, Focal						
Hyperplasia, Squamous Ulcer	1 (3%)	1 (3%)				1 (3%)
Dermis, Inflammation, Suppurative						
Dermis, Inflammation, Chronic Active	3 (8%)	1 (3%)			1 (3%)	1 (3%)
Epidermis, Inflammation, Suppurative						
Epidermis, Necrosis						
Epidermis, Ulcer	1 (3%)					
Skin, Site Of Application	(36)	(36)	(0)	(0)	(36)	(36)
Abscess	1 (3%)	1 (3%)				1 (3%)
Cyst, Multiple	1 (3%)					
Cyst Epithelial Inclusion	2 (6%)				4 (11%)	5 (14%)
Hyperplasia, Squamous Atypical, One, Focal					11 (31%)	6 (17%)
Hyperplasia, Squamous Atypical, Two, Focal		1 (3%)			1 (3%)	5 (14%)
Hyperplasia, Squamous Atypical, Three, Focal					2 (6%)	6 (17%)
Hyperplasia, Squamous Atypical, Four, Focal					1 (3%)	3 (8%)
Hyperplasia, Squamous Atypical, Five, Focal					1 (3%)	2 (6%)
Hyperplasia, Squamous Atypical, Greater Than Five, Focal						5 (14%)
Hyperplasia, Basal Cell						1 (3%)
Hyperplasia, Squamous	1 (3%)	7 (19%)			11 (31%)	24 (67%)
Dermis, Inflammation, Chronic Active	2 (6%)	2 (6%)			1 (3%)	15 (42%)
Epidermis, Inflammation, Suppurative						1 (3%)
Epidermis, Necrosis						2 (6%)
Epidermis, Ulcer						1 (3%)
Sebaceous Gland, Hyperplasia						

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

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

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SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	NO CREAMNO SSL-F	PH 7.0 NO SSL-F	2% RP NO SSL-F	.001% RANO SSL-F	NO CREAM6.75SSLF	PH 7.0 6.75SSLF
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	.1% RP 6.75SSLF	.5% RP 6.75SSLF	1% RP 6.75SSLF	2% RP 6.75SSLF	.001% RA6.75SSLF	NO CREAM13.7SSLF
Disposition Summary						
Animals Initially in Study	36	36	36	36	36	36
Early Deaths						
Accidently Killed						
Moribund Sacrifice	1	1	1	3	1	3
Natural Death	1		1		1	
Survivors						
Moribund Sacrifice						
Terminal Sacrifice	4				2	1
Harvest	30	35	34	33	32	32
Animals Examined Microscopically	36	36				36

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	.1% RP 6.75SSLF	.5% RP 6.75SSLF	1% RP 6.75SSLF	2% RP 6.75SSLF	.001% RA6.75SSLF	NO CREAM13.7SSLF
INTEGUMENTARY SYSTEM						
Skin, Control	(36)	(36)	(0)	(0)	(0)	(36)
Abscess						
Cyst Epithelial Inclusion	3 (8%)	1 (3%)				1 (3%)
Edema						
Hyperplasia, Squamous Atypical, Focal	1 (3%)					
Hyperplasia, Squamous Ulcer		4 (11%)				1 (3%)
Dermis, Inflammation, Suppurative						
Dermis, Inflammation, Chronic Active						1 (3%)
Epidermis, Inflammation, Suppurative						1 (3%)
Epidermis, Necrosis						
Epidermis, Ulcer						2 (6%)
Skin, Site Of Application	(36)	(36)	(0)	(0)	(0)	(36)
Abscess						
Cyst, Multiple						
Cyst Epithelial Inclusion	4 (11%)	1 (3%)				2 (6%)
Hyperplasia, Squamous Atypical, One, Focal	1 (3%)	8 (22%)				4 (11%)
Hyperplasia, Squamous Atypical, Two, Focal	4 (11%)	3 (8%)				4 (11%)
Hyperplasia, Squamous Atypical, Three, Focal	3 (8%)	2 (6%)				4 (11%)
Hyperplasia, Squamous Atypical, Four, Focal	6 (17%)	2 (6%)				5 (14%)
Hyperplasia, Squamous Atypical, Five, Focal	3 (8%)	3 (8%)				3 (8%)
Hyperplasia, Squamous Atypical, Greater Than Five, Focal	14 (39%)	16 (44%)				13 (36%)
Hyperplasia, Basal Cell	1 (3%)					
Hyperplasia, Squamous	32 (89%)	36 (100%)				28 (78%)
Dermis, Inflammation, Chronic Active	28 (78%)	36 (100%)				12 (33%)
Epidermis, Inflammation, Suppurative	2 (6%)	7 (19%)				1 (3%)
Epidermis, Necrosis	4 (11%)	7 (19%)				2 (6%)
Epidermis, Ulcer	3 (8%)	9 (25%)				1 (3%)
Sebaceous Gland, Hyperplasia	1 (3%)					

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

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SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	.1% RP 6.75SSLF	.5% RP 6.75SSLF	1% RP 6.75SSLF	2% RP 6.75SSLF	.001% RA6.75SSLF	NO CREAM13.7SSLF
None						
<hr/> SPECIAL SENSES SYSTEM						
None						
<hr/> URINARY SYSTEM						
None						

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	PH 7.0 13.7SSLF	.1% RP 13.7SSLF	.5% RP 13.7SSLF	1% RP 13.7SSLF	2% RP 13.7SSLF	.001% RA13.7SSLF
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Disposition Summary

Animals Initially in Study	36	36	36	36	36	36
Early Deaths						
Accidently Killed					1	
Moribund Sacrifice	3	2	2		4	1
Natural Death	1		2		1	
Survivors						
Moribund Sacrifice						
Terminal Sacrifice						
Harvest	32	34	32	36	30	35
Animals Examined Microscopically	36	36	36			

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	PH 7.0 13.7SSLF	.1% RP 13.7SSLF	.5% RP 13.7SSLF	1% RP 13.7SSLF	2% RP 13.7SSLF	.001% RA13.7SSLF
INTEGUMENTARY SYSTEM						
Skin, Control	(36)	(36)	(36)	(0)	(0)	(0)
Abscess						
Cyst Epithelial Inclusion	4 (11%)	2 (6%)				
Edema			1 (3%)			
Hyperplasia, Squamous Atypical, Focal	1 (3%)					
Hyperplasia, Squamous	1 (3%)		6 (17%)			
Ulcer						
Dermis, Inflammation, Suppurative			1 (3%)			
Dermis, Inflammation, Chronic Active		1 (3%)	2 (6%)			
Epidermis, Inflammation, Suppurative						
Epidermis, Necrosis			1 (3%)			
Epidermis, Ulcer						
Skin, Site Of Application	(36)	(36)	(36)	(0)	(0)	(0)
Abscess						
Cyst, Multiple						
Cyst Epithelial Inclusion	9 (25%)	1 (3%)				
Hyperplasia, Squamous Atypical, One, Focal	5 (14%)	1 (3%)	3 (8%)			
Hyperplasia, Squamous Atypical, Two, Focal		1 (3%)	3 (8%)			
Hyperplasia, Squamous Atypical, Three, Focal	5 (14%)	6 (17%)	2 (6%)			
Hyperplasia, Squamous Atypical, Four, Focal	2 (6%)	4 (11%)	4 (11%)			
Hyperplasia, Squamous Atypical, Five, Focal	1 (3%)	5 (14%)	4 (11%)			
Hyperplasia, Squamous Atypical, Greater Than Five, Focal	20 (56%)	19 (53%)	14 (39%)			
Hyperplasia, Basal Cell						
Hyperplasia, Squamous	33 (92%)	31 (86%)	35 (97%)			
Dermis, Inflammation, Chronic Active	18 (50%)	31 (86%)	33 (92%)			
Epidermis, Inflammation, Suppurative	3 (8%)	3 (8%)	9 (25%)			
Epidermis, Necrosis	3 (8%)	5 (14%)	14 (39%)			
Epidermis, Ulcer	2 (6%)	3 (8%)	6 (17%)			
Sebaceous Gland, Hyperplasia						

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

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None						
<hr/> SPECIAL SENSES SYSTEM						
None						
<hr/> URINARY SYSTEM						
None						

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	NOCREAMF20.55SSL	1% RP NO SSL-F
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Disposition Summary

Animals Initially in Study	36	36
Early Deaths		
Accidently Killed		
Moribund Sacrifice		5
Natural Death		1
Survivors		
Moribund Sacrifice		1
Terminal Sacrifice		9
Harvest	36	20
Animals Examined Microscopically	36	

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

SKH-1 HAIRLESS MICE (NCTR) MICE FEMALE	NOCREAMF20.55SSL	1% RP NO SSL-F
INTEGUMENTARY SYSTEM		
Skin, Control	(36)	(0)
Abscess	1 (3%)	
Cyst Epithelial Inclusion	4 (11%)	
Edema		
Hyperplasia, Squamous Atypical, Focal		
Hyperplasia, Squamous	1 (3%)	
Ulcer		
Dermis, Inflammation, Suppurative		
Dermis, Inflammation, Chronic Active		
Epidermis, Inflammation, Suppurative		
Epidermis, Necrosis		
Epidermis, Ulcer		
Skin, Site Of Application	(36)	(0)
Abscess	1 (3%)	
Cyst, Multiple		
Cyst Epithelial Inclusion	2 (6%)	
Hyperplasia, Squamous Atypical, One, Focal	4 (11%)	
Hyperplasia, Squamous Atypical, Two, Focal	9 (25%)	
Hyperplasia, Squamous Atypical, Three, Focal	7 (19%)	
Hyperplasia, Squamous Atypical, Four, Focal	7 (19%)	
Hyperplasia, Squamous Atypical, Five, Focal	4 (11%)	
Hyperplasia, Squamous Atypical, Greater Than Five, Focal	4 (11%)	
Hyperplasia, Basal Cell		
Hyperplasia, Squamous	28 (78%)	
Dermis, Inflammation, Chronic Active	21 (58%)	
Epidermis, Inflammation, Suppurative	3 (8%)	
Epidermis, Necrosis	1 (3%)	
Epidermis, Ulcer	4 (11%)	
Sebaceous Gland, Hyperplasia		

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

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SKH-1 HAIRLESS MICE (NCTR) MICE
FEMALE

NOCREAMF20.55SSL

1% RP NO SSL-F

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

*** END OF REPORT ***