

**Experiment Number:** 97010-01  
**Test Type:** 1-YEAR  
**Species/Strain:** Mouse/SKH-1/NCTR

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

**Test Compound:** alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
**CAS Number:** HYDROXYGLYSAL

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 12:43:52  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**C Number:** C97010A  
**Lock Date:** Not Entered.  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Male  
**PWG Approval Date:** NONE

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
 CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014  
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 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
<b>Disposition Summary</b>						
Animals Initially In Study	36	18	18	18	18	18
<b>Early Deaths</b>						
Moribund Sacrifice	3		1	1	1	
Natural Death	2	2	1			1
Tumor>10mm						
<b>Survivors</b>						
Moribund Sacrifice			1			
Natural Death						
Terminal Sacrifice	31	16	15	17	17	17
Tumor>10mm						
Animals Examined Microscopically	36	18	18	18	18	18
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Gallbladder	(0)	(1)	(0)	(0)	(0)	(0)
Liver	(2)	(3)	(3)	(4)	(2)	(0)
Hepatocellular Adenoma	1 (50%)		1 (33%)	1 (25%)		
Hepatocellular Adenoma, Two	1 (50%)					
Mesentery	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(1)	(0)	(0)	(0)	(1)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(1)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(0)	(0)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						

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

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)

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First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
<b>GENITAL SYSTEM</b>						
Penis	(1)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(6)	(4)	(2)	(1)	(2)	(2)
Seminal Vesicle	(0)	(0)	(0)	(0)	(0)	(0)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(36)	(18)	(18)	(18)	(18)	(17)
Lymph Node	(5)	(4)	(2)	(2)	(5)	(3)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin						
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin						
Lumbar, Mast Cell Tumor Nos						
Popliteal, Mast Cell Tumor Nos						
Lymph Node, Mandibular	(5)	(3)	(4)	(4)	(4)	(3)
Lymph Node, Mesenteric	(0)	(3)	(1)	(1)	(1)	(4)
Spleen	(36)	(18)	(18)	(18)	(18)	(17)
Thymus	(1)	(0)	(0)	(0)	(1)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Skin, Control	(36)	(18)	(18)	(18)	(18)	(18)
Carcinoma In Situ						
Squamous Cell Papilloma						
Skin, Site Of Application	(2)	(0)	(1)	(0)	(1)	(1)
Skin, Site of Application	(34)	(18)	(17)	(18)	(17)	(17)
Basal Cell Carcinoma						
Carcinoma In Situ						
Carcinoma In Situ, > Five						
Carcinoma In Situ, Five						

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

Experiment Number: 97010-01  
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 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Carcinoma In Situ, Four						
Carcinoma In Situ, Three						
Carcinoma In Situ, Two						
Sarcoma						
Squamous Cell Carcinoma						
Squamous Cell Carcinoma, > Five						
Squamous Cell Carcinoma, Five						
Squamous Cell Carcinoma, Four						
Squamous Cell Carcinoma, Three						
Squamous Cell Carcinoma, Two						
Squamous Cell Papilloma						
Squamous Cell Papilloma, Five						
Squamous Cell Papilloma, Two						
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Skeletal Muscle	(0)	(0)	(1)	(0)	(0)	(0)
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(36)	(18)	(18)	(18)	(18)	(17)
Alveolar/Bronchiolar Adenoma	1 (3%)	1 (6%)	1 (6%)	1 (6%)		2 (12%)
Alveolar/Bronchiolar Carcinoma						
<b>SPECIAL SENSES SYSTEM</b>						
Ear	(0)	(0)	(0)	(0)	(0)	(0)
Eye	(1)	(0)	(1)	(1)	(2)	(0)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
Lacrimal Gland	(1)	(1)	(0)	(0)	(0)	(0)

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

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 Test Type: 1-YEAR  
 Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
 CAS Number: HYDROXGLYSAL

Date Report Requested: 10/19/2014  
 Time Report Requested: 12:43:52  
 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
<b>URINARY SYSTEM</b>						
Kidney	(0)	(0)	(0)	(0)	(0)	(0)
Urethra	(3)	(1)	(0)	(2)	(3)	(1)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)
<b>SYSTEMIC LESIONS</b>						
Multiple Organ	*(36)	*(18)	*(18)	*(18)	*(18)	*(18)
Lymphoma Malignant	1 (3%)				1 (6%)	

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

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Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
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Date Report Requested: 10/19/2014  
 Time Report Requested: 12:43:53  
 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.3 MED	CTLCREAM0.3 MED	4% AHA 0.3 MED	10% AHA 0.3 MED	2% BHA 0.3 MED	4% BHA 0.3 MED
<b>Disposition Summary</b>						
Animals Initially In Study	36	18	18	18	18	18
<b>Early Deaths</b>						
Moribund Sacrifice	2	1	1	4	1	
Natural Death	2	3	1		3	1
Tumor>10mm			2	3	1	
<b>Survivors</b>						
Moribund Sacrifice						1
Natural Death						1
Terminal Sacrifice	32	14	14	11	12	15
Tumor>10mm					1	
Animals Examined Microscopically	36	18	18	18	18	18
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(1)	(0)	(0)
Gallbladder	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(1)	(3)	(3)	(1)	(3)	(0)
Hepatocellular Adenoma		2 (67%)	1 (33%)		1 (33%)	
Hepatocellular Adenoma, Two						
Mesentery	(0)	(0)	(0)	(0)	(0)	(1)
Pancreas	(0)	(1)	(0)	(0)	(1)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(0)	(1)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						

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

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Species/Strain: Mouse/SKH-1/NCTR

CAS Number: HYDROXGLYSAL

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.3 MED	CTLCREAM0.3 MED	4% AHA 0.3 MED	10% AHA 0.3 MED	2% BHA 0.3 MED	4% BHA 0.3 MED
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
<b>GENITAL SYSTEM</b>						
Penis	(0)	(0)	(2)	(1)	(0)	(0)
Preputial Gland	(3)	(3)	(1)	(4)	(3)	(2)
Seminal Vesicle	(1)	(1)	(1)	(0)	(0)	(0)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(36)	(18)	(18)	(18)	(18)	(18)
Lymph Node	(15)	(10)	(12)	(10)	(4)	(9)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin					1 (25%)	
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin						1 (11%)
Lumbar, Mast Cell Tumor Nos						
Popliteal, Mast Cell Tumor Nos						
Lymph Node, Mandibular	(8)	(3)	(6)	(5)	(5)	(3)
Lymph Node, Mesenteric	(4)	(2)	(0)	(3)	(1)	(3)
Spleen	(36)	(18)	(18)	(18)	(18)	(18)
Thymus	(2)	(1)	(1)	(0)	(0)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Skin, Control	(36)	(18)	(18)	(18)	(18)	(18)
Carcinoma In Situ		2 (11%)	1 (6%)			
Squamous Cell Papilloma						
Skin, Site Of Application	(0)	(0)	(1)	(0)	(1)	(0)
Skin, Site of Application	(36)	(18)	(17)	(18)	(17)	(18)
Basal Cell Carcinoma				2 (11%)		
Carcinoma In Situ	2 (6%)	5 (28%)	2 (12%)	2 (11%)	3 (18%)	1 (6%)
Carcinoma In Situ, > Five		1 (6%)		2 (11%)		
Carcinoma In Situ, Five			1 (6%)	1 (6%)		

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

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\* Number of animals with any tissue examined microscopically

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Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)

CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014

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First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.3 MED	CTLCREAM0.3 MED	4% AHA 0.3 MED	10% AHA 0.3 MED	2% BHA 0.3 MED	4% BHA 0.3 MED
Carcinoma In Situ, Four	1 (3%)	2 (11%)	1 (6%)	2 (11%)		
Carcinoma In Situ, Three			3 (18%)			
Carcinoma In Situ, Two	1 (3%)	1 (6%)	2 (12%)	3 (17%)	1 (6%)	
Sarcoma						
Squamous Cell Carcinoma	1 (3%)	3 (17%)	1 (6%)	4 (22%)	2 (12%)	1 (6%)
Squamous Cell Carcinoma, > Five						
Squamous Cell Carcinoma, Five				1 (6%)		
Squamous Cell Carcinoma, Four						
Squamous Cell Carcinoma, Three			1 (6%)	2 (11%)		
Squamous Cell Carcinoma, Two		1 (6%)	1 (6%)	2 (11%)	1 (6%)	
Squamous Cell Papilloma	2 (6%)	2 (11%)	6 (35%)	2 (11%)	3 (18%)	
Squamous Cell Papilloma, Five			1 (6%)			
Squamous Cell Papilloma, Two	1 (3%)	1 (6%)		1 (6%)		
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(36)	(18)	(18)	(18)	(18)	(18)
Alveolar/Bronchiolar Adenoma	3 (8%)	3 (17%)	2 (11%)	1 (6%)		1 (6%)
Alveolar/Bronchiolar Carcinoma						
<b>SPECIAL SENSES SYSTEM</b>						
Ear	(0)	(0)	(0)	(1)	(0)	(0)
Eye	(2)	(1)	(1)	(0)	(0)	(0)
Harderian Gland	(0)	(1)	(0)	(0)	(0)	(0)
Lacrimal Gland	(0)	(0)	(0)	(0)	(0)	(0)

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



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Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
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 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.3 MED	CTLCREAM0.3 MED	4% AHA 0.3 MED	10% AHA 0.3 MED	2% BHA 0.3 MED	4% BHA 0.3 MED
<b>URINARY SYSTEM</b>						
Kidney	(0)	(0)	(1)	(4)	(0)	(1)
Urethra	(4)	(2)	(1)	(2)	(2)	(4)
Urinary Bladder	(0)	(1)	(1)	(0)	(0)	(0)
<b>SYSTEMIC LESIONS</b>						
Multiple Organ	*(36)	*(18)	*(18)	*(18)	*(18)	*(18)
Lymphoma Malignant			1 (6%)		1 (6%)	

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

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 CAS Number: HYDROXYGLYSAL

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 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.6 MED	CTLCREAM0.6 MED	4% AHA 0.6 MED	10% AHA 0.6 MED	2% BHA 0.6 MED	4% BHA 0.6 MED
<b>Disposition Summary</b>						
Animals Initially In Study	36	18	18	18	18	18
Early Deaths						
Moribund Sacrifice	3	3	3	6	5	4
Natural Death	4		4	1		2
Tumor>10mm	26	14	11	10	8	8
Survivors						
Moribund Sacrifice					1	1
Natural Death						1
Terminal Sacrifice	3				2	1
Tumor>10mm		1		1	2	1
Animals Examined Microscopically	36	18	18	18	18	18
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Gallbladder	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(2)	(2)	(2)	(3)	(2)	(2)
Hepatocellular Adenoma				1 (33%)		
Hepatocellular Adenoma, Two						
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Pancreas	(0)	(0)	(1)	(0)	(1)	(1)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(1)	(0)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						

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

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CAS Number: HYDROXYGLYSAL

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.6 MED	CTLCREAM0.6 MED	4% AHA 0.6 MED	10% AHA 0.6 MED	2% BHA 0.6 MED	4% BHA 0.6 MED
Tissue NOS	(1)	(0)	(0)	(1)	(0)	(0)
<b>GENITAL SYSTEM</b>						
Penis	(0)	(0)	(1)	(0)	(0)	(0)
Preputial Gland	(3)	(0)	(2)	(0)	(2)	(2)
Seminal Vesicle	(5)	(0)	(0)	(0)	(0)	(0)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(36)	(18)	(17)	(18)	(18)	(17)
Lymph Node	(28)	(18)	(13)	(13)	(15)	(13)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin						
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin						
Lumbar, Mast Cell Tumor Nos					1 (7%)	
Popliteal, Mast Cell Tumor Nos					1 (7%)	
Lymph Node, Mandibular	(11)	(7)	(8)	(6)	(9)	(7)
Lymph Node, Mesenteric	(1)	(0)	(1)	(0)	(0)	(1)
Spleen	(36)	(18)	(17)	(18)	(18)	(17)
Thymus	(1)	(0)	(0)	(0)	(0)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Skin, Control	(36)	(18)	(18)	(18)	(18)	(18)
Carcinoma In Situ		1 (6%)				1 (6%)
Squamous Cell Papilloma				1 (6%)		
Skin, Site Of Application	(0)	(0)	(0)	(0)	(0)	(0)
Skin, Site of Application	(36)	(18)	(18)	(18)	(18)	(18)
Basal Cell Carcinoma						
Carcinoma In Situ	5 (14%)	4 (22%)	5 (28%)	7 (39%)	4 (22%)	1 (6%)
Carcinoma In Situ, > Five		1 (6%)	1 (6%)		1 (6%)	
Carcinoma In Situ, Five		3 (17%)			1 (6%)	1 (6%)

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

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

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Species/Strain: Mouse/SKH-1/NCTR

CAS Number: HYDROXYGLYSAL

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.6 MED	CTLCREAM0.6 MED	4% AHA 0.6 MED	10% AHA 0.6 MED	2% BHA 0.6 MED	4% BHA 0.6 MED
Carcinoma In Situ, Four			1 (6%)	3 (17%)	1 (6%)	1 (6%)
Carcinoma In Situ, Three	2 (6%)	3 (17%)	3 (17%)		4 (22%)	3 (17%)
Carcinoma In Situ, Two	6 (17%)	2 (11%)	1 (6%)	2 (11%)	4 (22%)	7 (39%)
Sarcoma						
Squamous Cell Carcinoma	20 (56%)	7 (39%)	6 (33%)	3 (17%)	7 (39%)	7 (39%)
Squamous Cell Carcinoma, > Five			2 (11%)		1 (6%)	
Squamous Cell Carcinoma, Five						
Squamous Cell Carcinoma, Four		1 (6%)	1 (6%)		2 (11%)	
Squamous Cell Carcinoma, Three	1 (3%)	5 (28%)	4 (22%)	4 (22%)	2 (11%)	2 (11%)
Squamous Cell Carcinoma, Two	7 (19%)	4 (22%)	2 (11%)	8 (44%)	3 (17%)	5 (28%)
Squamous Cell Papilloma		4 (22%)	2 (11%)	3 (17%)	2 (11%)	4 (22%)
Squamous Cell Papilloma, Five						
Squamous Cell Papilloma, Two						
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Skeletal Muscle	(1)	(0)	(0)	(0)	(1)	(0)
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(36)	(18)	(17)	(18)	(18)	(17)
Alveolar/Bronchiolar Adenoma	3 (8%)			2 (11%)	1 (6%)	1 (6%)
Alveolar/Bronchiolar Carcinoma						1 (6%)
<b>SPECIAL SENSES SYSTEM</b>						
Ear	(0)	(0)	(0)	(1)	(0)	(0)
Eye	(2)	(0)	(1)	(1)	(1)	(0)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
Lacrimal Gland	(0)	(0)	(0)	(0)	(0)	(0)

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

Experiment Number: 97010-01  
 Test Type: 1-YEAR  
 Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
 CAS Number: HYDROXGLYSAL

Date Report Requested: 10/19/2014  
 Time Report Requested: 12:43:53  
 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.6 MED	CTLCREAM0.6 MED	4% AHA 0.6 MED	10% AHA 0.6 MED	2% BHA 0.6 MED	4% BHA 0.6 MED
<b>URINARY SYSTEM</b>						
Kidney	(1)	(1)	(1)	(2)	(1)	(3)
Urethra	(1)	(0)	(1)	(1)	(1)	(2)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)
<b>SYSTEMIC LESIONS</b>						
Multiple Organ	*(36)	*(18)	*(18)	*(18)	*(18)	*(18)
Lymphoma Malignant	1 (3%)		1 (6%)			

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

Experiment Number: 97010-01  
Test Type: 1-YEAR  
Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014  
Time Report Requested: 12:43:53  
First Dose M/F: NA / NA  
Lab: NCTR

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SKH-1/NCTR Mouse MALE	NO CREAM0.9 MED
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**Disposition Summary**

Animals Initially In Study	36
Early Deaths	
Moribund Sacrifice	18
Natural Death	6
Tumor>10mm	12
Survivors	
Moribund Sacrifice	
Natural Death	
Terminal Sacrifice	
Tumor>10mm	
Animals Examined Microscopically	35

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ALIMENTARY SYSTEM

Esophagus	(0)
Gallbladder	(0)
Liver	(3)
Hepatocellular Adenoma	
Hepatocellular Adenoma, Two	
Mesentery	(0)
Pancreas	(0)
Salivary Glands	(0)

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CARDIOVASCULAR SYSTEM

Heart	(0)
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ENDOCRINE SYSTEM

None

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GENERAL BODY SYSTEM

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

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\* Number of animals with any tissue examined microscopically

Experiment Number: 97010-01

Test Type: 1-YEAR

Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)

CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014

Time Report Requested: 12:43:53

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.9 MED
Tissue NOS	(1)
GENITAL SYSTEM	
Penis	(0)
Preputial Gland	(3)
Seminal Vesicle	(0)
HEMATOPOIETIC SYSTEM	
Bone Marrow	(33)
Lymph Node	(20)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin	
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin	
Lumbar, Mast Cell Tumor Nos	
Popliteal, Mast Cell Tumor Nos	
Lymph Node, Mandibular	(8)
Lymph Node, Mesenteric	(2)
Spleen	(33)
Thymus	(1)
INTEGUMENTARY SYSTEM	
Skin, Control	(35)
Carcinoma In Situ	
Squamous Cell Papilloma	
Skin, Site Of Application	(1)
Skin, Site of Application	(34)
Basal Cell Carcinoma	
Carcinoma In Situ	8 (24%)
Carcinoma In Situ, > Five	1 (3%)
Carcinoma In Situ, Five	2 (6%)

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

Experiment Number: 97010-01

Test Type: 1-YEAR

Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)

CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014

Time Report Requested: 12:43:53

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.9 MED
Carcinoma In Situ, Four	3 (9%)
Carcinoma In Situ, Three	1 (3%)
Carcinoma In Situ, Two	4 (12%)
Sarcoma	1 (3%)
Squamous Cell Carcinoma	8 (24%)
Squamous Cell Carcinoma, > Five	
Squamous Cell Carcinoma, Five	1 (3%)
Squamous Cell Carcinoma, Four	3 (9%)
Squamous Cell Carcinoma, Three	4 (12%)
Squamous Cell Carcinoma, Two	17 (50%)
Squamous Cell Papilloma	2 (6%)
Squamous Cell Papilloma, Five	
Squamous Cell Papilloma, Two	
<hr/>	
MUSCULOSKELETAL SYSTEM	
Bone	(1)
Skeletal Muscle	(0)
<hr/>	
NERVOUS SYSTEM	
None	
<hr/>	
RESPIRATORY SYSTEM	
Lung	(33)
Alveolar/Bronchiolar Adenoma	
Alveolar/Bronchiolar Carcinoma	
<hr/>	
SPECIAL SENSES SYSTEM	
Ear	(0)
Eye	(3)
Harderian Gland	(0)
Lacrimal Gland	(3)

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



**Experiment Number:** 97010-01

**Test Type:** 1-YEAR

**Species/Strain:** Mouse/SKH-1/NCTR

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

**Test Compound:** alpha/beta Hydroxy acids (glycolic acid, salicylic acid)

**CAS Number:** HYDROXYGLYSAL

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 12:43:53

**First Dose M/F:** NA / NA

**Lab:** NCTR

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SKH-1/NCTR Mouse MALE	NO CREAM0.9 MED
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URINARY SYSTEM	
Kidney	(2)
Urethra	(1)
Urinary Bladder	(0)
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SYSTEMIC LESIONS	
Multiple Organ	*(35)
Lymphoma Malignant	1 (3%)

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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

Experiment Number: 97010-01  
 Test Type: 1-YEAR  
 Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
 CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014  
 Time Report Requested: 12:43:53  
 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
<b>Tumor Summary for MALE</b>						
Total Animals with Primary Neoplasms (b)	4	1	2	2	1	2
Total Primary Neoplasms	4	1	2	2	1	2
Total Animals with Benign Neoplasms	3	1	2	2		2
Total Benign Neoplasms	3	1	2	2		2
Total Animals with Malignant Neoplasms	1				1	
Total Malignant Neoplasms	1				1	
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

Experiment Number: 97010-01  
 Test Type: 1-YEAR  
 Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
 CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014  
 Time Report Requested: 12:43:53  
 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.3 MED	CTLCREAM0.3 MED	4% AHA 0.3 MED	10% AHA 0.3 MED	2% BHA 0.3 MED	4% BHA 0.3 MED
<b>Tumor Summary for MALE</b>						
Total Animals with Primary Neoplasms (b)	8	14	14	12	6	3
Total Primary Neoplasms	11	23	24	25	12	3
Total Animals with Benign Neoplasms	6	7	8	4	3	1
Total Benign Neoplasms	6	8	10	4	4	1
Total Animals with Malignant Neoplasms	5	11	11	12	5	2
Total Malignant Neoplasms	5	15	14	21	8	2
Total Animals with Metastatic Neoplasms					1	1
Total Metastatic Neoplasms					1	1
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

Experiment Number: 97010-01  
 Test Type: 1-YEAR  
 Species/Strain: Mouse/SKH-1/NCTR

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

Test Compound: alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
 CAS Number: HYDROXYGLYSAL

Date Report Requested: 10/19/2014  
 Time Report Requested: 12:43:53  
 First Dose M/F: NA / NA  
 Lab: NCTR

SKH-1/NCTR Mouse MALE	NO CREAM0.6 MED	CTLCREAM0.6 MED	4% AHA 0.6 MED	10% AHA 0.6 MED	2% BHA 0.6 MED	4% BHA 0.6 MED
<b>Tumor Summary for MALE</b>						
Total Animals with Primary Neoplasms (b)	30	18	15	15	17	17
Total Primary Neoplasms	45	35	29	34	35	34
Total Animals with Benign Neoplasms	3	4	2	6	3	5
Total Benign Neoplasms	3	4	2	7	3	5
Total Animals with Malignant Neoplasms	30	18	15	15	17	17
Total Malignant Neoplasms	42	31	27	27	30	29
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

**Experiment Number:** 97010-01  
**Test Type:** 1-YEAR  
**Species/Strain:** Mouse/SKH-1/NCTR

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

**Test Compound:** alpha/beta Hydroxy acids (glycolic acid, salicylic acid)  
**CAS Number:** HYDROXYGLYSAL

**Date Report Requested:** 10/19/2014  
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**First Dose M/F:** NA / NA  
**Lab:** NCTR

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SKH-1/NCTR Mouse MALE	NO CREAM0.9 MED
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**Tumor Summary for MALE**

<b>Total Animals with Primary Neoplasms (b)</b>	<b>33</b>
<b>Total Primary Neoplasms</b>	<b>56</b>
<b>Total Animals with Benign Neoplasms</b>	<b>2</b>
<b>Total Benign Neoplasms</b>	<b>2</b>
<b>Total Animals with Malignant Neoplasms</b>	<b>33</b>
<b>Total Malignant Neoplasms</b>	<b>54</b>
<b>Total Animals with Metastatic Neoplasms</b>	
<b>Total Metastatic Neoplasms</b>	
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>	
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>	
<b>Total Uncertain Neoplasms</b>	

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**\*\* 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