

Experiment Number: 97010-02
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: 10/16/2014
Time Report Requested: 05:10:27
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: Female
PWG Approval Date: NONE

Experiment Number: 97010-02
 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: 10/16/2014
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 First Dose M/F: NA / NA
 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Disposition Summary						
Animals Initially In Study	36	18	18	18	18	18
Early Deaths						
Moribund Sacrifice						1
Natural Death		3	1	1	1	2
Tumor>10mm						
Survivors						
Moribund Sacrifice						1
Natural Death	2					
Terminal Sacrifice	34	15	17	17	17	14
Tumor>10mm						
Animals Examined Microscopically	36	18	18	18	18	18
ALIMENTARY SYSTEM						
Intestine Large, Cecum	(0)	(0)	(0)	(1)	(1)	(0)
Intestine Large, Colon	(0)	(1)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small	(0)	(1)	(0)	(0)	(0)	(0)
Liver	(1)	(1)	(0)	(1)	(2)	(2)
Hepatocellular Adenoma	1 (100%)				1 (50%)	1 (50%)
Hepatocellular Carcinoma						
Mesentery	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Salivary Glands	(1)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(1)	(0)	(0)	(0)
Squamous Cell Papilloma			1 (100%)			
Stomach, Glandular	(1)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						

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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 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Heart	(0)	(0)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Pars Intermed, Adenoma						
GENERAL BODY SYSTEM						
Tissue NOS	(1)	(0)	(0)	(0)	(0)	(0)
GENITAL SYSTEM						
Clitoral Gland	(2)	(0)	(0)	(0)	(0)	(0)
Ovary	(20)	(8)	(13)	(12)	(10)	(12)
Cystadenoma	1 (5%)	1 (13%)				
Granulosa Cell Tumor Malignant						
Tubulostromal Adenoma						
Uterus	(20)	(4)	(5)	(5)	(5)	(5)
Polyp Adenomatous						
Polyp Stromal	3 (15%)					
Vagina	(1)	(0)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(36)	(18)	(18)	(18)	(18)	(18)
Lymph Node	(10)	(6)	(7)	(1)	(4)	(5)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin						
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin						
Lumbar, Granulosa Cell Tumor Malignant, Metastatic, Ovary						
Lumbar, Squamous Cell Carcinoma, Metastatic, Skin						

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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SKH-1/NCTR Mouse FEMALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Squamous Cell Carcinoma, Metastatic, Skin Lymph Node, Mandibular	(4)	(8)	(5)	(4)	(5)	(3)
Squamous Cell Carcinoma, Metastatic, Skin Lymph Node, Mesenteric	(8)	(2)	(3)	(1)	(4)	(2)
Spleen	(36)	(18)	(18)	(18)	(18)	(18)
Thymus	(1)	(0)	(2)	(0)	(1)	(1)
INTEGUMENTARY SYSTEM						
Mammary Gland Carcinoma	(0)	(0)	(0)	(0)	(0)	(0)
Skin, Control Carcinoma In Situ	(36)	(18)	(18)	(18)	(18)	(18)
Squamous Cell Papilloma Tail, Fibrous Histiocytoma					1 (6%)	
Skin, Site Of Application	(2)	(0)	(0)	(0)	(1)	(0)
Skin, Site of Application Carcinoma In Situ	(34)	(18)	(18)	(18)	(17)	(18)
Carcinoma In Situ, > Five						
Carcinoma In Situ, Five						
Carcinoma In Situ, Four						
Carcinoma In Situ, Three						
Carcinoma In Situ, Two						
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	1 (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

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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 FEMALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Squamous Cell Papilloma, Four						
Squamous Cell Papilloma, Three						
Squamous Cell Papilloma, Two						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(36)	(18)	(18)	(18)	(18)	(18)
Alveolar/Bronchiolar Adenoma				1 (6%)	1 (6%)	1 (6%)
Alveolar/Bronchiolar Adenoma, Two						
Alveolar/Bronchiolar Carcinoma						
Carcinoma, Metastatic, Mammary Gland						
Squamous Cell Carcinoma, Metastatic, Skin						
SPECIAL SENSES SYSTEM						
Eye	(3)	(1)	(1)	(1)	(2)	(0)
Lids, Adenoma						
Harderian Gland	(0)	(1)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(0)	(0)	(2)	(0)	(0)	(1)
SYSTEMIC LESIONS						
Multiple Organ	*(36)	*(18)	*(18)	*(18)	*(18)	*(18)
Lymphoma Malignant	2 (6%)		2 (11%)			2 (11%)

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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 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	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
Disposition Summary						
Animals Initially In Study	36	18	18	18	18	18
Early Deaths						
Moribund Sacrifice	1	2			2	1
Natural Death	2	2	1	1	1	2
Tumor>10mm		1	1		1	
Survivors						
Moribund Sacrifice						
Natural Death				1		
Terminal Sacrifice	32	12	12	16	14	15
Tumor>10mm	1	1	4			
Animals Examined Microscopically	36	18	18	18	18	17
ALIMENTARY SYSTEM						
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(1)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(1)	(4)	(2)	(2)	(0)	(1)
Hepatocellular Adenoma	1 (100%)			1 (50%)		
Hepatocellular Carcinoma				1 (50%)		
Mesentery	(1)	(1)	(1)	(1)	(0)	(0)
Pancreas	(0)	(0)	(0)	(1)	(0)	(1)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(1)
Squamous Cell Papilloma						
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						

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

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SKH-1/NCTR Mouse FEMALE	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
Heart	(0)	(1)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pars Intermed, Adenoma						
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
GENITAL SYSTEM						
Clitoral Gland	(4)	(0)	(0)	(0)	(2)	(1)
Ovary	(19)	(9)	(12)	(9)	(8)	(9)
Cystadenoma	1 (5%)			1 (11%)		
Granulosa Cell Tumor Malignant						
Tubulostromal Adenoma	1 (5%)					
Uterus	(17)	(7)	(3)	(8)	(12)	(5)
Polyp Adenomatous						
Polyp Stromal	1 (6%)				1 (8%)	
Vagina	(0)	(0)	(0)	(1)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(35)	(18)	(18)	(17)	(18)	(17)
Lymph Node	(17)	(10)	(9)	(11)	(9)	(6)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin		1 (10%)				
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin				1 (9%)		
Lumbar, Granulosa Cell Tumor Malignant, Metastatic, Ovary						
Lumbar, Squamous Cell Carcinoma, Metastatic, Skin						

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SKH-1/NCTR Mouse FEMALE	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
Squamous Cell Carcinoma, Metastatic, Skin						
Lymph Node, Mandibular	(8)	(5)	(3)	(5)	(5)	(7)
Squamous Cell Carcinoma, Metastatic, Skin						
Lymph Node, Mesenteric	(6)	(2)	(2)	(4)	(1)	(2)
Spleen	(35)	(18)	(18)	(17)	(18)	(17)
Thymus	(0)	(0)	(0)	(0)	(0)	(1)
INTEGUMENTARY SYSTEM						
Mammary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Carcinoma	1 (100%)					
Skin, Control	(36)	(18)	(18)	(18)	(18)	(17)
Carcinoma In Situ	1 (3%)				1 (6%)	1 (6%)
Squamous Cell Papilloma		1 (6%)				
Tail, Fibrous Histiocytoma	1 (3%)					
Skin, Site Of Application	(1)	(0)	(0)	(0)	(0)	(0)
Skin, Site of Application	(35)	(18)	(18)	(18)	(18)	(17)
Carcinoma In Situ	2 (6%)	5 (28%)	6 (33%)	3 (17%)	2 (11%)	
Carcinoma In Situ, > Five		1 (6%)	1 (6%)			
Carcinoma In Situ, Five				1 (6%)		
Carcinoma In Situ, Four		1 (6%)	1 (6%)			
Carcinoma In Situ, Three		1 (6%)		1 (6%)	1 (6%)	
Carcinoma In Situ, Two	2 (6%)		1 (6%)	2 (11%)	1 (6%)	
Squamous Cell Carcinoma	3 (9%)	2 (11%)	6 (33%)	5 (28%)	4 (22%)	2 (12%)
Squamous Cell Carcinoma, > Five						
Squamous Cell Carcinoma, Five						
Squamous Cell Carcinoma, Four						
Squamous Cell Carcinoma, Three		1 (6%)	1 (6%)			
Squamous Cell Carcinoma, Two		1 (6%)	1 (6%)	1 (6%)	1 (6%)	
Squamous Cell Papilloma		1 (6%)	1 (6%)	3 (17%)	2 (11%)	

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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 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	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
Squamous Cell Papilloma, Four						
Squamous Cell Papilloma, Three						
Squamous Cell Papilloma, Two		1 (6%)	1 (6%)			
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(35)	(18)	(18)	(17)	(18)	(17)
Alveolar/Bronchiolar Adenoma	1 (3%)	1 (6%)	1 (6%)	1 (6%)		1 (6%)
Alveolar/Bronchiolar Adenoma, Two	1 (3%)					
Alveolar/Bronchiolar Carcinoma		1 (6%)				
Carcinoma, Metastatic, Mammary Gland	1 (3%)					
Squamous Cell Carcinoma, Metastatic, Skin						
SPECIAL SENSES SYSTEM						
Eye	(3)	(1)	(0)	(2)	(1)	(4)
Lids, Adenoma	1 (33%)					
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(1)	(0)	(0)	(0)	(1)	(0)
SYSTEMIC LESIONS						
Multiple Organ	*(36)	*(18)	*(18)	*(18)	*(18)	*(17)
Lymphoma Malignant	1 (3%)		2 (11%)	2 (11%)		2 (12%)

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

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Disposition Summary						
Animals Initially In Study	36	18	18	18	18	18
Early Deaths						
Moribund Sacrifice	2	3	1	2	1	1
Natural Death	2	1	1			1
Tumor>10mm	16	13	14	15	11	8
Survivors						
Moribund Sacrifice						
Natural Death						
Terminal Sacrifice	9	1	1	1	6	8
Tumor>10mm	7		1			
Animals Examined Microscopically	36	18	18	18	18	18
ALIMENTARY SYSTEM						
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(1)	(0)	(0)	(0)
Intestine Small	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(5)	(2)	(2)	(0)	(4)	(3)
Hepatocellular Adenoma	1 (20%)		1 (50%)			
Hepatocellular Carcinoma						
Mesentery	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(0)	(0)	(0)	(1)	(0)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(1)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Squamous Cell Papilloma						
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						

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SKH-1/NCTR Mouse FEMALE	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
Heart	(0)	(0)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(1)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pars Intermed, Adenoma						
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(1)	(0)	(0)
GENITAL SYSTEM						
Clitoral Gland	(3)	(0)	(1)	(0)	(1)	(1)
Ovary	(22)	(8)	(8)	(8)	(11)	(11)
Cystadenoma						
Granulosa Cell Tumor Malignant					1 (9%)	
Tubulostromal Adenoma						
Uterus	(12)	(2)	(1)	(3)	(11)	(6)
Polyp Adenomatous						
Polyp Stromal					2 (18%)	1 (17%)
Vagina	(0)	(0)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(36)	(18)	(17)	(18)	(18)	(18)
Lymph Node	(30)	(16)	(15)	(17)	(16)	(15)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin	1 (3%)	1 (6%)	3 (20%)	1 (6%)		
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin			1 (7%)			
Lumbar, Granulosa Cell Tumor Malignant, Metastatic, Ovary					1 (6%)	
Lumbar, Squamous Cell Carcinoma, Metastatic, Skin						

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

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Species/Strain: Mouse/SKH-1/NCTR

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First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse FEMALE	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
Squamous Cell Carcinoma, Metastatic, Skin						1 (7%)
Lymph Node, Mandibular	(15)	(6)	(8)	(7)	(6)	(7)
Squamous Cell Carcinoma, Metastatic, Skin		1 (17%)				
Lymph Node, Mesenteric	(2)	(2)	(0)	(3)	(2)	(2)
Spleen	(36)	(18)	(17)	(18)	(18)	(18)
Thymus	(0)	(0)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Carcinoma						
Skin, Control	(36)	(18)	(18)	(18)	(18)	(18)
Carcinoma In Situ						
Squamous Cell Papilloma	1 (3%)			1 (6%)		
Tail, Fibrous Histiocytoma						
Skin, Site Of Application	(0)	(0)	(0)	(0)	(0)	(0)
Skin, Site of Application	(36)	(18)	(18)	(18)	(18)	(18)
Carcinoma In Situ	9 (25%)	5 (28%)	4 (22%)	6 (33%)	2 (11%)	5 (28%)
Carcinoma In Situ, > Five	2 (6%)	1 (6%)	2 (11%)	1 (6%)		
Carcinoma In Situ, Five		2 (11%)	2 (11%)		1 (6%)	1 (6%)
Carcinoma In Situ, Four	3 (8%)	1 (6%)	2 (11%)	1 (6%)		1 (6%)
Carcinoma In Situ, Three	2 (6%)	3 (17%)	2 (11%)		4 (22%)	1 (6%)
Carcinoma In Situ, Two	7 (19%)	2 (11%)	2 (11%)	4 (22%)	4 (22%)	3 (17%)
Squamous Cell Carcinoma	18 (50%)	9 (50%)	5 (28%)	9 (50%)	9 (50%)	7 (39%)
Squamous Cell Carcinoma, > Five				1 (6%)		
Squamous Cell Carcinoma, Five	1 (3%)			1 (6%)		
Squamous Cell Carcinoma, Four	1 (3%)		1 (6%)	1 (6%)	1 (6%)	
Squamous Cell Carcinoma, Three	4 (11%)	3 (17%)	4 (22%)	3 (17%)		1 (6%)
Squamous Cell Carcinoma, Two	7 (19%)	5 (28%)	6 (33%)	3 (17%)	5 (28%)	5 (28%)
Squamous Cell Papilloma	6 (17%)	2 (11%)	3 (17%)	1 (6%)	2 (11%)	5 (28%)

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: 97010-02
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: 10/16/2014
Time Report Requested: 05:10:28
First Dose M/F: NA / NA
Lab: NCTR

SKH-1/NCTR Mouse FEMALE	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
Squamous Cell Papilloma, Four			1 (6%)			
Squamous Cell Papilloma, Three					1 (6%)	
Squamous Cell Papilloma, Two		1 (6%)		1 (6%)		
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(36)	(18)	(17)	(18)	(18)	(18)
Alveolar/Bronchiolar Adenoma	3 (8%)	1 (6%)			1 (6%)	
Alveolar/Bronchiolar Adenoma, Two						
Alveolar/Bronchiolar Carcinoma						
Carcinoma, Metastatic, Mammary Gland						
Squamous Cell Carcinoma, Metastatic, Skin			1 (6%)			
SPECIAL SENSES SYSTEM						
Eye	(0)	(1)	(0)	(1)	(1)	(1)
Lids, Adenoma						
Harderian Gland	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(1)	(1)	(0)
SYSTEMIC LESIONS						
Multiple Organ	*(36)	*(18)	*(18)	*(18)	*(18)	*(18)
Lymphoma Malignant	2 (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

Experiment Number: 97010-02
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: 10/16/2014
Time Report Requested: 05:10:28
First Dose M/F: NA / NA
Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAM0.9 MED
Disposition Summary	
Animals Initially In Study	36
Early Deaths	
Moribund Sacrifice	16
Natural Death	1
Tumor>10mm	19
Survivors	
Moribund Sacrifice	
Natural Death	
Terminal Sacrifice	
Tumor>10mm	
Animals Examined Microscopically	36
<hr/>	
ALIMENTARY SYSTEM	
Intestine Large, Cecum	(0)
Intestine Large, Colon	(0)
Intestine Large, Rectum	(0)
Intestine Small	(0)
Liver	(4)
Hepatocellular Adenoma	
Hepatocellular Carcinoma	
Mesentery	(1)
Pancreas	(1)
Salivary Glands	(0)
Stomach, Forestomach	(0)
Squamous Cell Papilloma	
Stomach, Glandular	(0)

CARDIOVASCULAR SYSTEM

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: 97010-02

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: 10/16/2014

Time Report Requested: 05:10:28

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAM0.9 MED
Heart	(0)
ENDOCRINE SYSTEM	
Adrenal Gland	(0)
Pituitary Gland	(1)
Pars Intermed, Adenoma	1 (100%)
GENERAL BODY SYSTEM	
Tissue NOS	(0)
GENITAL SYSTEM	
Clitoral Gland	(4)
Ovary	(12)
Cystadenoma	1 (8%)
Granulosa Cell Tumor Malignant	
Tubulostromal Adenoma	
Uterus	(3)
Polyp Adenomatous	1 (33%)
Polyp Stromal	
Vagina	(0)
HEMATOPOIETIC SYSTEM	
Bone Marrow	(35)
Lymph Node	(29)
Axillary, Squamous Cell Carcinoma, Metastatic, Skin	1 (3%)
Inguinal, Squamous Cell Carcinoma, Metastatic, Skin	2 (7%)
Lumbar, Granulosa Cell Tumor Malignant, Metastatic, Ovary	
Lumbar, Squamous Cell Carcinoma, Metastatic, Skin	1 (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: 97010-02

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: 10/16/2014

Time Report Requested: 05:10:28

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAM0.9 MED
Squamous Cell Carcinoma, Metastatic, Skin	
Lymph Node, Mandibular	(14)
Squamous Cell Carcinoma, Metastatic, Skin	
Lymph Node, Mesenteric	(1)
Spleen	(35)
Thymus	(0)
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INTEGUMENTARY SYSTEM	
Mammary Gland	(0)
Carcinoma	
Skin, Control	(36)
Carcinoma In Situ	
Squamous Cell Papilloma	
Tail, Fibrous Histiocytoma	
Skin, Site Of Application	(0)
Skin, Site of Application	(36)
Carcinoma In Situ	11 (31%)
Carcinoma In Situ, > Five	
Carcinoma In Situ, Five	
Carcinoma In Situ, Four	
Carcinoma In Situ, Three	1 (3%)
Carcinoma In Situ, Two	6 (17%)
Squamous Cell Carcinoma	14 (39%)
Squamous Cell Carcinoma, > Five	1 (3%)
Squamous Cell Carcinoma, Five	2 (6%)
Squamous Cell Carcinoma, Four	4 (11%)
Squamous Cell Carcinoma, Three	3 (8%)
Squamous Cell Carcinoma, Two	11 (31%)
Squamous Cell Papilloma	3 (8%)

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: 97010-02
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: 10/16/2014
Time Report Requested: 05:10:28
First Dose M/F: NA / NA
Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAM0.9 MED
Squamous Cell Papilloma, Four	
Squamous Cell Papilloma, Three	
Squamous Cell Papilloma, Two	
MUSCULOSKELETAL SYSTEM	
Bone	(2)
Skeletal Muscle	(1)
NERVOUS SYSTEM	
None	
RESPIRATORY SYSTEM	
Lung	(35)
Alveolar/Bronchiolar Adenoma	
Alveolar/Bronchiolar Adenoma, Two	
Alveolar/Bronchiolar Carcinoma	
Carcinoma, Metastatic, Mammary Gland	
Squamous Cell Carcinoma, Metastatic, Skin	
SPECIAL SENSES SYSTEM	
Eye	(3)
Lids, Adenoma	
Harderian Gland	(0)
URINARY SYSTEM	
Kidney	(0)
SYSTEMIC LESIONS	
Multiple Organ	*(36)
Lymphoma Malignant	

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: 97010-02
 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: 10/16/2014
 Time Report Requested: 05:10:28
 First Dose M/F: NA / NA
 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NO CREAMNO SSL	CTLCREAMNO SSL	4% AHA NO SSL	10% AHA NO SSL	2% BHA NO SSL	4% BHA NO SSL
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	8	1	3	1	3	4
Total Primary Neoplasms	8	1	3	1	3	4
Total Animals with Benign Neoplasms	6	1	1	1	3	2
Total Benign Neoplasms	6	1	1	1	3	2
Total Animals with Malignant Neoplasms	2		2			2
Total Malignant Neoplasms	2		2			2
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: 97010-02
 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: 10/16/2014
 Time Report Requested: 05:10:28
 First Dose M/F: NA / NA
 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	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
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	13	9	12	13	10	4
Total Primary Neoplasms	18	17	22	22	13	6
Total Animals with Benign Neoplasms	6	4	3	6	3	1
Total Benign Neoplasms	7	4	3	6	3	1
Total Animals with Malignant Neoplasms	8	8	12	11	8	4
Total Malignant Neoplasms	11	13	19	16	10	5
Total Animals with Metastatic Neoplasms	1	1		1		
Total Metastatic Neoplasms	1	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: 97010-02
 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: 10/16/2014
 Time Report Requested: 05:10:28
 First Dose M/F: NA / NA
 Lab: NCTR

SKH-1/NCTR Mouse FEMALE	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
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	34	18	17	18	17	15
Total Primary Neoplasms	67	36	35	33	33	30
Total Animals with Benign Neoplasms	11	4	5	2	5	6
Total Benign Neoplasms	11	4	5	3	6	6
Total Animals with Malignant Neoplasms	34	18	17	18	17	14
Total Malignant Neoplasms	56	32	30	30	27	24
Total Animals with Metastatic Neoplasms	1	1	5	1	1	1
Total Metastatic Neoplasms	1	2	5	1	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: 97010-02
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: 10/16/2014
Time Report Requested: 05:10:28
First Dose M/F: NA / NA
Lab: NCTR

SKH-1/NCTR Mouse FEMALE

NO CREAM0.9 MED

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)	35
Total Primary Neoplasms	59
Total Animals with Benign Neoplasms	5
Total Benign Neoplasms	6
Total Animals with Malignant Neoplasms	35
Total Malignant Neoplasms	53
Total Animals with Metastatic Neoplasms	4
Total Metastatic Neoplasms	4
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