

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C99033
<b>Lock Date:</b>	07/20/2001
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-1

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-6 ]		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-2

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple

[ Squamous Cell Papilloma TGLS = 2-11; TGL1 - NCL ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-3

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

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**MISSING**

\* Mammary Gland

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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 4                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 76  
**DOSE:** VEHICLE CONTROL                      **DISP:** Natural Death                      **HISTO:** MB389M-4

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Testes
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland

**INSUFFICIENT TISSUE**

\* Larynx                      \* Pituitary Gland

**OBSERVATIONS**

Tooth                      Odontogenic Tumor

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-5

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

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**MISSING**

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-6

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Tongue	Tooth
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Larynx

**OBSERVATIONS**

* Epididymis	Unilateral Unilateral Duct, Unilateral	Aspermia Cyst Hyperplasia	Moderate Regenerative, Mild
* Eye	Retina	Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[ Squamous Cell Papilloma TGLS = 2-11.1;3-11.1 ]		
* Testes	Unilateral Germinal Epith, Unilateral	Cyst Degeneration	Minimal Moderate
* Thymus		Atrophy	Diffuse, Marked

Tooth

Note: TGL1 - no corresponding lesion

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> VEHICLE CONTROL	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 274 <b>HISTO:</b> MB389M-7
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

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**MISSING**

\* Mammary Gland

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**INSUFFICIENT TISSUE**

\* Parathyroid Gland

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-8

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

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**MISSING**

* Mammary Gland	* Parathyroid Gland	* Preputial Gland
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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-11 ]		
* Thymus			
	Note: slide 4		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-9

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

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**MISSING**

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Pituitary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-10

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Blood Vessel	* Esophagus	* Larynx	* Mammary Gland
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**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	

[ Squamous Cell Papilloma TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-11

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

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**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Pituitary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Kidney	Renal Tubule	Dilatation	Focal, Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Acute, Focal, Minimal
* Spleen		Pigmentation	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-12

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
* Eye	Retina	Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[ Squamous Cell Papilloma TGLS = 2-11.1 ]		
Tooth		Odontogenic Tumor	
Note: TGL1 - no corresponding lesion			

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-13

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

* Mammary Gland	* Parathyroid Gland	* Tongue
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**INSUFFICIENT TISSUE**

* Larynx	* Lymph Node, Mediastinal
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**OBSERVATIONS**

* Eye	Retina	Atrophy	Moderate
* Liver		Infiltration Cellular	Lymphocyte, Focal, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
		Necrosis	Minimal
	[ Hyperplasia TGLS = 2-3 ]		
* Preputial Gland		Cyst	Mild
	[ Cyst TGLS = 1-12 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[ Squamous Cell Papilloma TGLS = 5-11.1 ]		
* Thyroid Gland	Follicle	Cyst	Mild
Tooth		Odontogenic Tumor	
	[ Odontogenic Tumor TGLS = 3-13; 4-13 ]		

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**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-14

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Brain	* Epididymis	* Harderian Gland	* Heart
* Kidney	* Liver	* Skeletal Muscle	* Skin
* Testes			

---

**MISSING**

* Lymph Node, Mediastinal	* Mammary Gland	* Thyroid Gland
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**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

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**OBSERVATIONS**

\* Testes  
Note: Only one testis on slide.

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 197
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-15

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Kidney	* Lung
* Nose	* Skeletal Muscle	* Skin	* Testes
* Zymbal's Gland			

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder			

---

**OBSERVATIONS**

* Liver		Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 2-8 ]			
* Spleen		Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 1-8 ]			
* Thyroid Gland	Follicle	Cyst	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-16

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
Spleen	Pigmentation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 17

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 3125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-17

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla  
Kidney  
Lymph Node, Mediastinal  
Stomach, Forestomach  
Thyroid Gland

Brain  
Liver  
Lymph Node, Mesenteric  
Stomach, Glandular

Epididymis  
Lung  
Pituitary Gland  
Testes

Heart  
Lymph Node, Mandibular  
Prostate  
Thymus

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Cortex

Atrophy  
Hypertrophy  
Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Focal, Minimal  
Minimal  
Minimal

Stom Forestom

Note: TGL1 - no corresponding lesion - verified

Stom Gland

Note: TGL2 - No corresponding lesion

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-18

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

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**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
Spleen	Pigmentation	Minimal

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PRIMARY CAUSE OF DEATH

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-

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-19

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Prostate	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
Lung	Hemorrhage	Focal, Minimal
Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	Multiple

[ Squamous Cell Papilloma TGLS = 1-6,6.1,11,11.1 ]

---

PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-20

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Glandular
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
Epididymis	Unilateral	Aspermia	
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-6,11.1 ]			
Testes	Unilateral	Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Moderate
Thyroid GI			
Note: lack of colloid in many follicles			
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-12 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-21

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
Skin	Squamous Cell Papilloma	
Note: TGL1 - on left side of nose [ Squamous Cell Papilloma TGLS = 1-11 ]		
Spleen	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-22

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Glandular
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Epididymis	Unilateral	Aspermia	
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-6.1, 6.2 ]			
Testes	Bilateral, Germinal Epith	Degeneration	Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-23

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Focal, Minimal
Epididymis	Bilateral	Aspermia	
Spleen		Pigmentation	Minimal
Testes	Bilateral, Germinal Epith	Degeneration	Moderate
[ Degeneration TGLS = 1-10 ]			

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-24

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
Tooth	Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-11; 2-11 ]		

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-25

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Prostate	Spleen
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

---

**MISSING**

Mammary Gland

---

**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Lymph Node, Mandibular	Hyperplasia	Minimal
Tooth	Odontogenic Tumor	

[ Odontogenic Tumor TGLS = 1-11; 2-11 ]

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-26

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Pituitary Gland	Prostate	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Moderate
Lung	Hemorrhage	Focal, Minimal
Preputial Gland [ Cyst TGLS = 1-11 ]	Cyst	Mild
Spleen	Pigmentation	Minimal
Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 2-6 ]	Squamous Cell Papilloma	

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-27

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	

---

**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Mild
Epididymis	Unilateral	Aspermia	
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Unilateral	Cyst	Moderate
	Germinal Epith, Unilateral	Degeneration	Moderate

---

[ Cyst TGLS = 1-10 ]

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-28

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

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**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Spleen	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 2 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 198 <b>HISTO:</b> MB389M-29
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Penis	Pituitary Gland	Stomach, Forestomach
Stomach, Glandular	Testes	Thyroid Gland	

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**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Lung		Hemorrhage	Focal, Minimal
Lymph Node, Mandibular		Hyperplasia	Moderate
Penis			
Note: TGL1 - no corresponding lesion			
Prostate		Inflammation	Acute, Focal, Moderate
Spleen	Lymph Follic	Depletion Cellular	Minimal
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 2-12 ]			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-30

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Skin	Squamous Cell Papilloma	
Note: TGL1 - ventral area		
[ Squamous Cell Papilloma TGLS = 1-12 ]		
Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-11, 6.1 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-31

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lymph Node, Mandibular
Lymph Node, Mesenteric	Prostate	Spleen	Stomach, Glandular
Testes	Thyroid Gland		

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**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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**INSUFFICIENT TISSUE**

Pituitary Gland
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**OBSERVATIONS**

Lung	Lymphoma Malignant	
Stomach, Forestomach	Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-11.1 ]		
Thymus	Lymphoma Malignant	
Tooth	Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-12; 2-12 ]		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-32

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland			

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**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Epididymis	Unilateral	Aspermia	
	Unilateral	Inflammation	Chronic Active, Moderate
Kidney		Dilatation	Diffuse, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Testes	Unilateral	Cyst	Mild
		Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Moderate
Thyroid GI			
Note: several follicles have no colloid			
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-11.1 ]			

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**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 132
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-33

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Epididymis	Heart	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Prostate	Testes

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**MISSING**

Lymph Node, Mediastinal	Mammary Gland	Pituitary Gland	Thymus
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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Kidney
Spleen	Stomach, Forestomach	Stomach, Glandular	Thyroid Gland

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 197
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-34

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Lymph Node, Mandibular	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Cortex	Leukemia Erythrocytic
Liver	Leukemia Erythrocytic
[ Leukemia Erythrocytic TGLS = 2-8 ]	
Lung	Leukemia Erythrocytic
Lymph Node, Mediastinal	Leukemia Erythrocytic
Spleen	Leukemia Erythrocytic
[ Leukemia Erythrocytic TGLS = 1-8 ]	

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**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-35

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Moderate
	Hypertrophy	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-36

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
Lym Node Media		
Note: slide 9 with lung		
Preputial Gland	Cyst	Moderate
[ Cyst TGLS = 1-11 ]		
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 150
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-37

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thyroid Gland	

---

**MISSING**

Lymph Node, Mesenteric	Mammary Gland
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**INSUFFICIENT TISSUE**

Pituitary Gland
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**OBSERVATIONS**

Spleen	Pigmentation	Minimal
Thymus	Atrophy	Diffuse, Moderate

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-38

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Spleen	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 78
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-39

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Heart	Prostate
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**MISSING**

Lymph Node, Mediastinal	Mammary Gland	Thymus	Thyroid Gland
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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Pituitary Gland	Spleen	Stomach, Forestomach	Stomach, Glandular

---

**OBSERVATIONS**

Epididymis	Unilateral	Aspermia	
Testes	Unilateral	Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-40

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Prostate	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland			

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**MISSING**

Lymph Node, Mandibular	Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Epididymis	Unilateral	Aspermia	
Spleen		Hematopoietic Cell Proliferation	Minimal
Stom Forestom			
Note: TGL1 - no corresponding lesion, verified			
Testes	Unilateral	Cyst	Moderate
	Germinal Epith, Unilateral	Degeneration	Moderate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-41

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Liver	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

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**MISSING**

Mammary Gland

---

**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
Kidney	Renal Tubule	Dilatation	Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 207
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-42

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Thyroid Gland	

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**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Epididymis	Unilateral	Aspermia	
	Unilateral	Cyst	Moderate
	Unilateral	Inflammation	Chronic Active, Mild
Salivary Glands	Duct	Carcinoma	
[ Carcinoma TGLS = 1-11 ]			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Germinal Epith, Unilateral	Degeneration	Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 138
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-43

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

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**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Lymph Node, Mesenteric		Hyperplasia	Mild
Salivary Glands	Duct	Carcinoma	
[ Carcinoma TGLS = 1-11 ]			
Spleen		Hematopoietic Cell Proliferation	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-44

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

Stom Forestom

Note: TGL1 - no corresponding lesion- verified

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-45

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Glandular
Testes	Thymus	Thyroid Gland	

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Coagulating Gland	Cyst	Moderate
[ Cyst TGLS = 1-12 ]		
Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-9 ]		
Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-11.2 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-46

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Glandular	Thymus	Thyroid Gland	

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Epididymis	Unilateral	Aspermia	
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-11.1 ]			
Testes	Unilateral	Cyst	Mild
		Cyst	Minimal
	Germinal Epith, Unilateral	Degeneration	Moderate
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-12; 2-12 ]			

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-47

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Glandular	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
Epididymis	Bilateral, Spermatozoa	Degeneration	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 1-9 ]		
Lymph Node, Mandibular		Hyperplasia	Mild
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[ Squamous Cell Papilloma TGLS = 2-11,11.1 ]		
Testes	Bilateral, Germinal Epith	Degeneration	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-48

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Spleen	Pigmentation	Mild

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-49

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Pituitary Gland	Prostate	Stomach, Glandular	Thymus
Thyroid Gland			

---

**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Epididymis	Unilateral	Aspermia	
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-11 ]			
Testes	Unilateral	Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Mild
[ Cyst TGLS = 2-10 ]			

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 206
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-50

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Pituitary Gland	Prostate	Stomach, Forestomach	Stomach, Glandular
Testes	Thyroid Gland		

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**MISSING**

Lymph Node, Mandibular	Mammary Gland	Thymus
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**OBSERVATIONS**

Liver	Leukemia Erythrocytic
[ Leukemia Erythrocytic TGLS = 1-8 ]	
Lung	Leukemia Erythrocytic
Lym Node Media	
Note: slide 5	
Spleen	Leukemia Erythrocytic
[ Leukemia Erythrocytic TGLS = 2-8 ]	

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-51

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-52

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Prostate	Stomach, Glandular
Testes	Thymus	Thyroid Gland	

---

**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Kidney  
Note: TGL2 - no corresponding lesion

Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	

[ Squamous Cell Papilloma TGLS = 1-11 ]

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-53

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Kidney		
Note: left kidney not present in animal; TGL1 - no corresponding lesion		
Spleen	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-54

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Kidney	Renal Tubule	Dilatation	Diffuse, Mild
Spleen		Pigmentation	Minimal
Tooth		Odontogenic Tumor	

[ Odontogenic Tumor TGLS = 1-11, 11.1 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-55

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Prostate	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**INSUFFICIENT TISSUE**

Lymph Node, Mediastinal	Pituitary Gland
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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-11 ]		

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 56	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-56

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Pigmentation	Minimal
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---

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 57	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-57

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
Liver	Hematopoietic Cell Proliferation	Minimal
Spleen	Hematopoietic Cell Proliferation	Marked

[ Hematopoietic Cell Proliferation TGLS = 1-8.1 ]

Stom Forestom

Note: TGL2 - no corresponding lesion, verified

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 199
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-58

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Epididymis	Heart	Lung	Prostate
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**MISSING**

Mammary Gland	Pituitary Gland
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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Lymph Node, Mesenteric
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

---

**OBSERVATIONS**

Kidney	Leukemia Erythrocytic	
Liver	Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 2-8 ]		
Lymph Node, Mandibular	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-3 ]		
Lymph Node, Mediastinal	Hyperplasia	Marked
Spleen	Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 3-8 ]		

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 59

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 12500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-59

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla

Brain

Epididymis

Heart

Kidney

Liver

Lung

Lymph Node, Mandibular

Lymph Node, Mediastinal

Lymph Node, Mesenteric

Pituitary Gland

Prostate

Stomach, Forestomach

Stomach, Glandular

Testes

Thymus

Thyroid Gland

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Cortex

Atrophy

Mild

Hypertrophy

Focal, Minimal

Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-60

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thyroid Gland	

---

**MISSING**

Lymph Node, Mediastinal	Mammary Gland
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---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Moderate
	Pigmentation	Minimal
Stom Forestom		
Note: TGL1 - no corresponding lesion, verified		
Thymus	Atrophy	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 96
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-61

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Epididymis	Heart
Lymph Node, Mesenteric	Prostate	Testes	

---

**MISSING**

Mammary Gland

---

**AUTO PRECLUDES DIAG.**

Brain	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Pituitary Gland	Spleen
Stomach, Forestomach	Stomach, Glandular	Thyroid Gland	

---

**INSUFFICIENT TISSUE**

Thymus

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 62	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-62

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
	Hypertrophy	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-6,6.1,11.1 ]		
Tooth	Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 2-12 ]		

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 63	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-63

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-6,6.1,11,11.1 ]		

---

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 64	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-64

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Prostate	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
Epididymis	Unilateral	Aspermia	
Note: ONE OF TWO PRESENT.			
Lym Node Media			
Note: slide 9			
Seminal Vesicle		Dilatation	Marked
[ Dilatation TGLS = 1-11 ]			
Spleen		Pigmentation	Minimal
Stom Forestom			
Note: TGL2 - no corresponding lesion			
Note: there is some evidence for a squamous cell papilloma in slide 6 however it is not convincing and therefore not diagnosed (TGL2)			
Testes	Unilateral	Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Moderate
Note: lesions are unilateral			
[ Cyst TGLS = 3-10 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 65	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-65

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
Epididymis	Unilateral	Aspermia	
	Duct, Unilateral	Hyperplasia	Regenerative, Mild
Skin	Control Epider	Hyperplasia	Focal, Marked
		Squamous Cell Papilloma	
Note: TGL1- right hind leg; TGL2- left hind leg [ Hyperplasia TGLS = 1-11,11.1 ] [ Squamous Cell Papilloma TGLS = 2-12 ]			
Spleen		Pigmentation	Minimal
Testes	Unilateral	Cyst	Mild
		Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-66

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Glandular	Testes	Thymus
Thyroid Gland			

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6,6.1 ]		

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 67	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-67

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

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-

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 239
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-68

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Salivary Glands	Stomach, Forestomach	Stomach, Glandular
Testes	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Pigmentation	Minimal
Thymus	Atrophy	Diffuse, Moderate
Zymbal's Gland	Carcinoma	

[ Carcinoma TGLS = 1-11 ]

---

PRIMARY CAUSE OF DEATH

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-

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 69	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-69

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland
Prostate	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland		

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-70

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Glandular	Testes	Thymus	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	

---

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-71

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Glandular	Testes	Thyroid Gland	

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6.1,11 ]		
Thymus	Atrophy	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 261
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-72

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Epididymis
Heart	Kidney	Liver	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Testes	Thyroid Gland

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Lung	Hemorrhage	Focal, Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
Thymus	Atrophy	Diffuse, Marked
Tooth	Odontogenic Tumor	

---

[ Odontogenic Tumor TGLS = 2-11; 3-11 ]

---

PRIMARY CAUSE OF DEATH -

---

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-73

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Glandular
Testes	Thyroid Gland		

---

**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Epididymis		
Note: One of pair missing.		
Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-9 ]		
Spleen	Pigmentation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-6.1 ]		
Thymus	Atrophy	Focal, Minimal

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-74

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Epididymis	Heart
Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Pituitary Gland	Prostate	Stomach, Forestomach
Stomach, Glandular	Testes	Thyroid Gland	

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Atrophy	Mild
	Hypertrophy	Focal, Minimal
Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-9 ]		
Spleen	Pigmentation	Minimal
Thymus	Atrophy	Diffuse, Moderate

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 138
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-75

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Pituitary Gland	Prostate
Stomach, Forestomach	Stomach, Glandular	Thyroid Gland	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Epididymis	Unilateral	Aspermia	
Lym Node Mand Note: slide 11			
Salivary Glands [ Carcinoma TGLS = 1-11 ]	Duct	Carcinoma	
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Testes	Germinal Epith, Unilateral	Degeneration	Moderate
Thymus		Atrophy	Diffuse, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-76

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

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**MISSING**

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Harderian Gland		Adenoma	
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

\* Stom Forestom  
Note: TGL1- no corresponding lesion, verified

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-77

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

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**MISSING**

* Larynx	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	

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Note: TGL1 - no corresponding lesion, verified

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 78

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-78

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Gallbladder	* Larynx	* Mammary Gland	* Parathyroid Gland
* Preputial Gland			

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Brain	Cerebrum, Cortex	Degeneration	Focal, Minimal
* Esophagus			
Note: slide 3.1			
* Eye	Retina	Atrophy	Moderate
* Lym Node Media			
Note: slide 5			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thyroid Gl			
Note: slide 4			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 79

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-79

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
* Eye	Retina	Atrophy	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 1-8 ]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 2-11.1 ]		
Tooth		Odontogenic Tumor	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 80

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 200

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-80

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Pancreas	Penis	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Esophagus Note: slide 3.1			
* Eye	Retina	Atrophy	Moderate
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular [ Lymphoma Malignant TGLS = 2-3 ]		Lymphoma Malignant	
* Lymph Node, Mediastinal		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Penis Note: TGL1- no corresponding lesion			
* Spleen		Pigmentation	Minimal
* Thymus [ Lymphoma Malignant TGLS = 3-5 ]		Lymphoma Malignant	
Tooth [ Odontogenic Tumor TGLS = 4-12; 5-12 ]		Odontogenic Tumor	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-81

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

\* Mammary Gland

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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Kidney	Renal Tubule	Cyst	
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-9.1 ]		
* Spleen		Pigmentation	Minimal
* Stom Forestom			

Note: TGL1- no corresponding lesion; verified

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 82

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-82

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
* Esophagus			
Note: slide 3			
* Eye	Retina	Atrophy	Moderate
* Kidney	Renal Tubule	Dilatation	Diffuse, Mild
* Spleen		Pigmentation	Minimal
* Stomach, Glandular		Inflammation	Acute, Minimal
* Thymus		Atrophy	Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 83

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-83

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

* Larynx	* Mammary Gland
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**OBSERVATIONS**

* Epididymis	Unilateral	Aspermia	
	Unilateral	Cyst	Mild
* Eye	Retina	Atrophy	Moderate
* Salivary Glands	Duct	Carcinoma	
	[ Carcinoma TGLS = 1-11 ]		
* Spleen		Pigmentation	Minimal
* Testes	Germinal Epith, Unilateral	Degeneration	Mild
* Thymus		Atrophy	Focal, Minimal
Tooth		Odontogenic Tumor	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 180
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-84

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

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**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Eye	Retina	Atrophy	Moderate
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-6.1 ]			
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-11 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 85                      **TRT#:** 6                      **SEX:** Male                      **DAY ON TEST:** 274  
**DOSE:** 50000 PPM                      **DISP:** Terminal Sacrifice                      **HISTO:** MB389M-85

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
* Epididymis	Spermatozoa, Unilateral	Degeneration	Mild
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Testes	Germinal Epith, Unilateral	Degeneration	Moderate

Note: unilateral

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-86

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Tongue			

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Atrophy Hyperplasia Hypertrophy	Mild Focal, Minimal Focal, Minimal
* Epididymis	Bilateral, Spermatozoa	Degeneration	Mild
* Eye	Retina	Atrophy	Moderate
* Lym Node Media Note: slide 9			
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 2-6.1 ]		Squamous Cell Papilloma	Multiple
* Testes Note: unilateral	Bilateral, Germinal Epith	Degeneration	Mild
Tooth [ Odontogenic Tumor TGLS = 1-11.1 ]		Odontogenic Tumor	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-87

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Eye	Retina	Atrophy	Moderate
* Liver		Necrosis	Focal, Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	

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[ Squamous Cell Papilloma TGLS = 1-6.2 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-88

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

* Adrenal Medulla	* Larynx	* Mammary Gland
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**INSUFFICIENT TISSUE**

* Adrenal Cortex	* Pituitary Gland
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**OBSERVATIONS**

* Epididymis	Unilateral	Aspermia	
* Eye	Retina	Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Focal, Minimal
* Spleen		Pigmentation	Minimal
* Testes	Unilateral	Cyst	Mild
	Germinal Epith, Unilateral	Degeneration	Moderate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 141
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-89

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Brain	* Epididymis	* Harderian Gland	* Heart
* Kidney	* Liver	* Skeletal Muscle	* Skin
* Testes			

---

**MISSING**

* Larynx	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 90	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 180
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-90

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

---

**MISSING**

* Larynx	* Lymph Node, Mediastinal	* Mammary Gland	* Parathyroid Gland
* Thymus			

---

**INSUFFICIENT TISSUE**

\* Pituitary Gland

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Eye	Retina	Atrophy	Moderate
* Liver		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Tooth		Odontogenic Tumor	

---

[ Odontogenic Tumor TGLS = 1-11; 2-11 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 91

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 123

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-91

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 92

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 117

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-92

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 93

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 138

**DOSE:** TPA CONTROL

**DISP:** Natural Death

**HISTO:** MB389M-93

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 94

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 123

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-94

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 95

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 156

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-95

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 96

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 199

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-96

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 97

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 113

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-97

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 98

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 199

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-98

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 99

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 103

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-99

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 100

**TRT#:** 7

**DOSE:** TPA CONTROL

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 156

**HISTO:** MB389M-100

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 101

**TRT#:** 7

**DOSE:** TPA CONTROL

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 135

**HISTO:** MB389M-101

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 102

**TRT#:** 7

**DOSE:** TPA CONTROL

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 135

**HISTO:** MB389M-102

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 103

**TRT#:** 7

**DOSE:** TPA CONTROL

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 156

**HISTO:** MB389M-103

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 104

**TRT#:** 7

**DOSE:** TPA CONTROL

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 123

**HISTO:** MB389M-104

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 105

**TRT#:** 7

**DOSE:** TPA CONTROL

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 135

**HISTO:** MB389M-105

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>ANIMAL ID:</b> 106	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 242
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-106

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

* Larynx	* Parathyroid Gland
----------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Moderate
* Eye	Retina	Atrophy	Moderate
* Nose			
Note: odontoma has distorted the turbinates			
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Diffuse, Marked
[ Atrophy TGLS = 1-5 ]			
* Thyroid Gland	Follicle	Cyst	
* Tongue		Ulcer	Minimal
Tooth		Odontogenic Tumor	
Note: TGL3 - no corresponding lesion			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 107

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-107

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Larynx

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
* Eye	Retina	Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 4-9 ]		
* Pituitary Gland		Cyst	Mild
* Skin	Vulva	Squamous Cell Papilloma	
	Note: TGL2 - no corresponding lesion - verified		
	[ Squamous Cell Papilloma TGLS = 1-12 ]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-6,6.1; 5-11 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 108

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-108

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**MISSING**

* Larynx	* Parathyroid Gland
----------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
* Eye	Retina	Atrophy	Moderate
* Pituitary Gland		Cyst	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 1-6 ]		Squamous Cell Papilloma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 109

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-109

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Vagina	* Zymbal's Gland	

**MISSING**

* Larynx	* Pituitary Gland
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**INSUFFICIENT TISSUE**

\* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
* Esophagus Note: slide 3			
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 110

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-110

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

* Larynx	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Moderate
* Eye	Retina	Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple

[ Squamous Cell Papilloma TGLS = 1-6,6.1; 2-11 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 111

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 200

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-111

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**MISSING**

* Larynx	* Lymph Node, Mediastinal	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Moderate
	Subcapsular	Hyperplasia	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Kidney		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Liver		Inflammation	Chronic Active, Focal, Minimal
* Lung		Inflammation	Chronic Active, Focal, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[ Hyperplasia TGLS = 2-3 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 1-11 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 112	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-112

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
Tissue NOS		Pigmentation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 113

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Larynx

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
* Eye	Retina	Atrophy	Moderate
* Lung		Hemorrhage	Focal, Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 114

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 270

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-114

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

* Larynx	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Mild
* Eye	Retina	Atrophy	Moderate
* Liver		Inflammation	Chronic Active, Focal, Mild
* Lung		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Lym Node Media			
Note: slide 9			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[ Hyperplasia TGLS = 1-3 ]			
* Ovary		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4-8 ]			
* Thymus		Atrophy	Diffuse, Moderate
Tooth		Odontogenic Tumor	
[ Odontogenic Tumor TGLS = 2-11; 3-11 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 114

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 270

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-114

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 115	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-115

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

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**MISSING**

* Larynx	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Liver		Necrosis	Focal, Minimal
Tissue NOS	Abdominal, Fat	Necrosis	Focal, Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 116

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-116

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**MISSING**

* Larynx	* Lymph Node, Mediastinal	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Accessory Adrenal Cortical Nodule	Minimal
	Zona Reticul	Hyperplasia	Focal, Minimal
	Retina	Vacuolization Cytoplasmic	Moderate
* Eye	Alveolar Epith	Atrophy	Moderate
* Lung		Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 117

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 109

**DOSE:** VEHICLE CONTROL

**DISP:** Natural Death

**HISTO:** MB389M-117

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

* Clitoral Gland	* Larynx	* Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

\* Gallbladder

**OBSERVATIONS**

* Eye	Retina	Atrophy	Moderate
* Liver		Leukemia Erythrocytic	
	[ Leukemia Erythrocytic TGLS = 1-8 ]		
* Spleen		Leukemia Erythrocytic	
	[ Leukemia Erythrocytic TGLS = 2-8 ]		
* Thymus		Atrophy	Diffuse, Marked
Tooth		Odontogenic Tumor	
	[ Odontogenic Tumor TGLS = 3-11 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 118

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-118

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

* Larynx	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
* Eye	Retina	Atrophy	Moderate
* Gallbladder		Inflammation	Chronic Active, Mild
* Kidney	Renal Tubule	Dilatation	Focal, Minimal
* Liver		Inflammation	Acute, Focal, Mild
Lymph Node [ Hyperplasia TGLS = 1-11 ]	Renal	Hyperplasia	Mild
* Lymph Node, Mediastinal		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 119	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

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**MISSING**

* Larynx	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
* Eye	Retina	Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Focal, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 120

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-120

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

* Larynx	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple

[ Squamous Cell Papilloma TGLS = 1-6,11 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 121	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 192
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-121

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Heart	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Ovary	Thyroid Gland	Uterus

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**MISSING**

Lymph Node, Mediastinal

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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Kidney
Stomach, Glandular			

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**OBSERVATIONS**

Liver		Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 1-8 ]			
Pituitary Gland		Leukemia Erythrocytic	
Spleen		Leukemia Erythrocytic	
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-11 ]			
Thymus		Atrophy	Diffuse, Marked

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 122

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 3125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-122

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Ovary	Stomach, Glandular	Thymus	Thyroid Gland
Uterus			

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Liver	Hepatocyte	Necrosis	Focal, Minimal
Lymph Node, Mandibular		Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6.1,11 ]			
Tooth		Odontoma	
[ Odontoma TGLS = 2-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 123	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 275 <b>HISTO:</b> MB389M-123
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Minimal
Skin	Vulva [ Squamous Cell Papilloma TGLS = 1-11,11.1 ]	Squamous Cell Papilloma	
Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 124	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 275 <b>HISTO:</b> MB389M-124
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	

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**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Mild
Kidney	Renal Tubule	Dilatation	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 125	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 275 <b>HISTO:</b> MB389M-125
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Minimal
Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 1-6, 11.2 ]		Squamous Cell Papilloma	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 126

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 3125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-126

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Glandular
Thymus	Thyroid Gland	Uterus	

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Mild
Kidney	Renal Tubule	Dilatation	Focal, Minimal
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple

[ Squamous Cell Papilloma TGLS = 1-6.1; 2-11 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 127	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 275 <b>HISTO:</b> MB389M-127
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Spleen		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 128	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-128

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Glandular
Thymus	Thyroid Gland		

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**MISSING**

Lymph Node, Mediastinal

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**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-11.1,6.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 129	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-129

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Glandular
Thymus	Thyroid Gland		

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lym Node Media			
Note: slide 9			
Skin		Squamous Cell Papilloma	
Note: TGL2 - torsoventral			
[ Squamous Cell Papilloma TGLS = 2-7 ]			
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 130	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 271 <b>HISTO:</b> MB389M-130
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Spleen
Stomach, Glandular	Thymus	Thyroid Gland	Uterus

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**INSUFFICIENT TISSUE**

Pituitary Gland

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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
	Subcapsular	Hyperplasia	Focal, Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11.1 ]			
Tooth		Odontoma	
[ Odontoma TGLS = 1-12.1; 2-12.1 ]			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 131	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 275 <b>HISTO:</b> MB389M-131
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thyroid Gland		

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6.1, 6.2 ]			
Thymus		Atrophy	Focal, Mild
Tooth		Odontoma	
[ Odontoma TGLS = 2-9a ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 132	<b>TRT#:</b> 9 <b>DOSE:</b> 3125 PPM	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 81 <b>HISTO:</b> MB389M-132
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Heart	Ovary	Pituitary Gland
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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Kidney
Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Uterus	

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**OBSERVATIONS**

Liver	Infiltration Cellular	Lymphocyte, Focal, Minimal
Lym Node Media		
Note: slide 9		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 133

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 206

**DOSE:** 3125 PPM

**DISP:** Natural Death

**HISTO:** MB389M-133

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Heart

Lymph Node, Mandibular

Ovary

**AUTO PRECLUDES DIAG.**

Adrenal Cortex

Adrenal Medulla

Brain

Kidney

Lymph Node, Mediastinal

Lymph Node, Mesenteric

Mammary Gland

Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Thyroid Gland

Uterus

**OBSERVATIONS**

Liver

Leukemia Erythrocytic

[ Leukemia Erythrocytic TGLS = 2-8 ]

Lung

Leukemia Erythrocytic

Spleen

Leukemia Erythrocytic

[ Leukemia Erythrocytic TGLS = 1-8 ]

Thymus

Hyperplasia

Diffuse, Marked

Tooth

Odontoma

[ Odontoma TGLS = 3-11 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:36  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 134	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 198
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-134

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Heart	Lung	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Stomach, Forestomach	Stomach, Glandular
Thyroid Gland	Uterus		

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**MISSING**

Thymus

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**INSUFFICIENT TISSUE**

Pituitary Gland

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**OBSERVATIONS**

Adrenal Cortex	Atrophy	Moderate
Brain	Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 4-1 ]		
Kidney	Leukemia Erythrocytic	
Liver	Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 3-8 ]		
Lymph Node, Mandibular	Hyperplasia	Moderate
Ovary	Leukemia Erythrocytic	
Skin	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-11 ]		
Spleen	Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 2-8 ]		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 135	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 3125 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-135

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

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**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Lym Node Media Note: slide 5			
Spleen		Accessory Spleen	Mild
		Pigmentation	Minimal
Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 1-6.1,11.1 ]		Squamous Cell Papilloma	Multiple
Thymus Note: slide 4			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 136

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 6250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-136

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-6,11 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 137	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 200
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-137

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Pituitary Gland	Stomach, Forestomach	Stomach, Glandular
Thyroid Gland	Uterus		

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**MISSING**

Lymph Node, Mandibular	Thymus
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**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Ovary		Atrophy	Moderate
Spleen		Pigmentation	Mild
Tooth		Odontoma	

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[ Odontoma TGLS = 1-11 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 138

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 61

**DOSE:** 6250 PPM

**DISP:** Natural Death

**HISTO:** MB389M-138

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Mammary Gland	Ovary	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Uterus

**MISSING**

Lymph Node, Mesenteric	Pituitary Gland
------------------------	-----------------

**OBSERVATIONS**

Lym Node Mand		
Note: slide 11RT		
Spleen	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 139

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 148

**DOSE:** 6250 PPM

**DISP:** Natural Death

**HISTO:** MB389M-139

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Heart	Lung	Lymph Node, Mandibular
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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Kidney
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Ovary
Pituitary Gland	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Uterus		

**OBSERVATIONS**

Liver	Leukemia Erythrocytic
[ Leukemia Erythrocytic TGLS = 2-8 ]	
Spleen	Leukemia Erythrocytic
[ Leukemia Erythrocytic TGLS = 1-8 ]	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 140	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-11 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 141

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 113

**DOSE:** 6250 PPM

**DISP:** Natural Death

**HISTO:** MB389M-141

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Heart

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**AUTO PRECLUDES DIAG.**

Adrenal Cortex

Adrenal Medulla

Brain

Kidney

Liver

Lung

Lymph Node, Mandibular

Lymph Node, Mediastinal

Lymph Node, Mesenteric

Mammary Gland

Ovary

Pituitary Gland

Spleen

Stomach, Forestomach

Stomach, Glandular

Thymus

Thyroid Gland

---

Uterus

PRIMARY CAUSE OF DEATH

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-

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 142	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-142

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Ovary	Pituitary Gland	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland		

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**MISSING**

Lymph Node, Mediastinal

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**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Kidney	Renal Tubule	Dilatation	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
Stom Forestom			
Note: TGL1 - no corresponding lesion			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 143	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-143

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Ovary
Pituitary Gland	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Spleen		Pigmentation	Minimal
Stomach, Forestomach		Infiltration Cellular	Lymphocyte, Focal, Minimal
Note: TGL1 - no corresponding lesion			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 144	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-144

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	

---

**MISSING**

Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 145	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-145

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Glandular
Thymus	Thyroid Gland		

---

**MISSING**

Lymph Node, Mediastinal

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-11, 11.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 146	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-146

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-11,11.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 147	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-147

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Skin		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-11.1 ]			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Stomach, Forestomach	Muscularis	Inflammation	Acute, Focal, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 148	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 67
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-148

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thyroid Gland	Uterus

---

**OBSERVATIONS**

Brain	Cerebrum, Cortex, Neuron	Necrosis	Minimal
	Hippocampus, Pyramidal Cell	Necrosis	Minimal
	Cerebellum, Corpus Calosum, Pons	Vacuolization Cytoplasmic	Focal, Minimal
Note: The sections are not oriented very well and the vacuolization may be artifact.			
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thymus		Atrophy	Diffuse, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 149

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 207

**DOSE:** 6250 PPM

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-149

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Ovary	Pituitary Gland	Spleen	Stomach, Forestomach
Stomach, Glandular	Thyroid Gland	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Liver		Necrosis	Minimal
Thymus		Atrophy	Focal, Mild
Note: SLIDE 4			
Tooth		Odontoma	

[ Odontoma TGLS = 1-11; 2-11 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 150	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 6250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-150

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 151	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-151

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Spleen		Pigmentation	Minimal
Thymus			
Note: slide 4			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 152	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-152

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Spleen		Pigmentation	Mild
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 153

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 134

**DOSE:** 12500 PPM

**DISP:** Natural Death

**HISTO:** MB389M-153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex  
Liver  
Mammary Gland  
Thyroid Gland

Adrenal Medulla  
Lung  
Ovary  
Uterus

Heart  
Lymph Node, Mandibular  
Stomach, Forestomach

Kidney  
Lymph Node, Mediastinal  
Stomach, Glandular

**MISSING**

Pituitary Gland

**AUTO PRECLUDES DIAG.**

Brain

Lymph Node, Mesenteric

Spleen

Thymus

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 154	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 165
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Brain	Heart	Kidney	Liver
Lung	Lymph Node, Mesenteric	Mammary Gland	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thyroid Gland	

---

**MISSING**

Thymus

---

**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Lymph Node, Mandibular	Lymph Node, Mediastinal
Ovary	Uterus		

---

**OBSERVATIONS**

Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Mild
Tooth	Odontoma	
[ Odontoma TGLS = 1-11 ]		

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 155	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-155

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Liver	Hepatocyte	Necrosis	Focal, Minimal
Spleen		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 156	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 97
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-156

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Heart	Liver	Ovary	Stomach, Forestomach
Stomach, Glandular	Thyroid Gland		

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**MISSING**

Thymus

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**AUTO PRECLUDES DIAG.**

Adrenal Cortex	Adrenal Medulla	Brain	Kidney
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Spleen
Uterus			

---

**INSUFFICIENT TISSUE**

Pituitary Gland

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**OBSERVATIONS**

Lung		Carcinoma	Metastatic (Salivary Glands)
Lymph Node, Mediastinal		Carcinoma	Metastatic (Salivary Glands)
Salivary Glands	Duct	Carcinoma	
[ Carcinoma TGLS = 3-11; 1-11 ]			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 157	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-157

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = TGL1-6 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 158	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-158

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal	Mammary Gland
Ovary	Pituitary Gland	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland		

---

**INSUFFICIENT TISSUE**

Lymph Node, Mesenteric

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic Sarcoma Stromal	Focal, Minimal Mild Metastatic (Uterus)
Liver [ Sarcoma Stromal TGLS = 6-8 ]			
Lymph Node [ Sarcoma Stromal TGLS = 4-11 ]	Pancreatic	Sarcoma Stromal	Metastatic (Uterus)
Ovary Note: TGL1 - no corresponding lesion			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus [ Hyperplasia TGLS = 2-10 ] [ Sarcoma Stromal TGLS = 3-11 ]	Endometrium	Hyperplasia Sarcoma Stromal	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 159	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 271
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-159

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Thymus
Thyroid Gland			

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**AUTO PRECLUDES DIAG.**

Spleen	Stomach, Glandular	Uterus
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**OBSERVATIONS**

Liver	Hepatocyte	Necrosis	Focal, Minimal
Lung	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11.1 ]			
Tooth		Odontoma	
[ Odontoma TGLS = 1-12; 2-12 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 160

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 165

**DOSE:** 12500 PPM

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-160

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Ovary	Stomach, Forestomach	Stomach, Glandular	Thyroid Gland
Uterus			

**MISSING**

Lymph Node, Mandibular	Pituitary Gland
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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
Liver	Hepatocyte	Necrosis	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Thymus		Atrophy	Diffuse, Marked
Tooth		Odontoma	

[ Odontoma TGLS = 1-11 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 161	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-161

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Ovary	Pituitary Gland	Stomach, Glandular	Thymus
Thyroid Gland			

---

**MISSING**

Lymph Node, Mediastinal

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
Liver	Hepatocyte	Necrosis	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 3-6 ]		Squamous Cell Papilloma	
Tooth [ Odontoma TGLS = 2-13 ]		Odontoma	
Uterus [ Cyst TGLS = 1-14 ]	Endometrium	Cyst Hyperplasia	Focal, Moderate Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 162	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-162

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Stomach, Glandular
Thymus	Thyroid Gland		

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**MISSING**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 163	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-163

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 164	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-164

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thyroid Gland		

---

**OBSERVATIONS**

Lymph Node, Mandibular		Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-6.1, 6.2 ]			
Thymus		Atrophy	Diffuse, Moderate
Tooth		Odontoma	
[ Odontoma TGLS = 1-11 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 165	<b>TRT#:</b> 11	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 12500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-165

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mesenteric	Mammary Gland	Ovary
Stomach, Glandular	Thymus	Thyroid Gland	

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**MISSING**

Lymph Node, Mediastinal

---

**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic Infiltration Cellular Hyperplasia	Focal, Minimal Mild Polymorphnuclr, Focal, Minimal Mild
Liver			
Lymph Node, Mandibular			
Ovary			
Note: TGL1 - no corresponding lesion			
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-6, 6.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 166

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 25000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pituitary Gland	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	

**MISSING**

Lymph Node, Mediastinal

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Mild
	Zona Reticul	Vacuolization Cytoplasmic	Marked
Spleen		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 167	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 267
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-167

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Heart	Lung	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thyroid Gland	Uterus	

---

**MISSING**

Thymus

---

**OBSERVATIONS**

Adrenal Cortex	Capsule	Inflammation	Acute, Focal, Mild
Brain		Abscess	Focal, Moderate
		Inflammation	Acute, Focal, Moderate
	Medulla	Vacuolization Cytoplasmic	Minimal
[ Inflammation TGLS = 8-2 ]			
Kidney		Inflammation	Acute, Focal, Marked
Note: multiple abscesses			
[ Inflammation TGLS = 4-7 ]			
Liver		Inflammation	Acute, Focal, Minimal
Lymph Node, Mandibular		Hyperplasia	Moderate
		Inflammation	Acute, Focal, Moderate
[ Hyperplasia TGLS = 1-3 ]			
Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-8 ]			
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 9-11 ]			
Tooth		Odontoma	
[ Odontoma TGLS = 5-12; 7-12 ]			

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 168	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 270
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-168

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Stomach, Glandular
Thyroid Gland			

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**INSUFFICIENT TISSUE**

Pituitary Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-11,11.1, 11.2 ]		
Thymus		Atrophy	Diffuse, Marked
Tooth		Odontoma	
	[ Odontoma TGLS = 1-12; 2-12 ]		
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 169	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-169

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Ovary	Pituitary Gland	Stomach, Glandular	Thymus
Thyroid Gland	Uterus		

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Mild
Liver	Hepatocyte	Necrosis	Focal, Minimal
Lung	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-11; 2-11 ]			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 170	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-170

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Stomach, Glandular	Thymus
Thyroid Gland			

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**INSUFFICIENT TISSUE**

Pituitary Gland

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
Lym Node Media Note: slide 9 (thymus on slide 4)			
Ovary		Cyst	Focal, Minimal
Spleen		Pigmentation	Mild
Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 1-11 ]		Squamous Cell Papilloma	Multiple
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

---

PRIMARY CAUSE OF DEATH

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-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 171	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-171

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

---

**OBSERVATIONS**

Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Mild
Skin	Vulva	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-12 ]			
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-11 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 172

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 25000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Ovary	Stomach, Glandular	Thymus
Thyroid Gland			

**MISSING**

Lymph Node, Mediastinal

**INSUFFICIENT TISSUE**

Pituitary Gland

**OBSERVATIONS**

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-11.2 ]			
Uterus		Hydrometra	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 173	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 269
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-173

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Lung	Lymph Node, Mesenteric	Mammary Gland	Ovary
Stomach, Forestomach	Stomach, Glandular	Thyroid Gland	Uterus

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Mild
Liver		Inflammation	Chronic Active, Focal, Minimal
Lymph Node, Mandibular [ Hyperplasia TGLS = 1-3 ]		Hyperplasia	Marked
Lymph Node, Mediastinal		Hyperplasia	Mild
Pituitary Gland	Pars Intermed	Hypertrophy	Mild
Spleen [ Hematopoietic Cell Proliferation TGLS = 4-8 ]		Hematopoietic Cell Proliferation	Marked
Thymus		Atrophy	Diffuse, Marked
Tooth [ Odontoma TGLS = 2-11; 3-11 ]		Odontoma	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 174	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-174

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Pituitary Gland	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland		

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**INSUFFICIENT TISSUE**

Lymph Node, Mediastinal

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Moderate
Ovary [ Hemorrhage TGLS = 1-10 ]		Hemorrhage	Focal, Mild
Spleen		Pigmentation	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 175	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-175

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
Skin	Control Epider, Lip Vulva	Hyperplasia Squamous Cell Papilloma	Focal, Moderate
	[ Hyperplasia TGLS = 2-12.1, 12.2 ] [ Squamous Cell Papilloma TGLS = 1-11 ]		
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 176	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-176

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Skin	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland			

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**OBSERVATIONS**

Adrenal Cortex	Subcapsular Zona Reticul	Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Mild
Skin			
Note: TGL1 - no corresponding lesion - verified			
Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
Tooth		Odontoma	
[ Odontoma TGLS = 2-12 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 177	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-177

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland

---

**OBSERVATIONS**

Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 178

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 23

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:** MB389M-178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Heart

**MISSING**

Adrenal Medulla

**AUTO PRECLUDES DIAG.**

Adrenal Cortex

Brain

Kidney

Liver

Lung

Lymph Node, Mandibular

Lymph Node, Mediastinal

Lymph Node, Mesenteric

Mammary Gland

Ovary

Pituitary Gland

Spleen

Stomach, Forestomach

Stomach, Glandular

Thymus

Thyroid Gland

Uterus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 179	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-179

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Brain	Heart
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Ovary
Pituitary Gland	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland			

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**OBSERVATIONS**

Spleen		Pigmentation	Minimal
Tooth		Odontoma	
[ Odontoma TGLS = 1-11.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 180	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 25000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-180

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Brain	Heart	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Ovary	Pituitary Gland
Stomach, Glandular	Thymus	Thyroid Gland	

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**OBSERVATIONS**

Adrenal Cortex		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-11, 11.1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>ANIMAL ID:</b> 181	<b>TRT#:</b> 13	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**MISSING**

* Gallbladder	* Larynx	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-601 ]		
* Thymus		Atrophy	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 182

**TRT#:** 13  
**DOSE:** 50000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 92  
**HISTO:** MB389M-182

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Harderian Gland	* Heart	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Salivary Glands	* Skeletal Muscle
* Skin	* Spleen	* Tongue	* Uterus
* Zymbal's Gland			

**MISSING**

* Larynx	* Parathyroid Gland	* Pituitary Gland	
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**AUTO PRECLUDES DIAG.**

* Blood Vessel	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

**OBSERVATIONS**

* Liver	Necrosis	Focal, Mild
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 183	<b>TRT#:</b> 13	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 275
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB389M-183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

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**MISSING**

* Blood Vessel	* Clitoral Gland	* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Larynx

---

**OBSERVATIONS**

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Eye	Retina	Atrophy	Moderate
* Kidney	Renal Tubule	Dilatation	Focal, Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 184

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

* Gallbladder	* Larynx	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Eye	Retina	Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-11, 11.2 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 185

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-185

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina

**MISSING**

* Gallbladder	* Larynx	* Parathyroid Gland	* Thyroid Gland
* Zymbal's Gland			

**OBSERVATIONS**

* Eye	Retina	Atrophy	Moderate
* Liver		Necrosis	Focal, Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-6, 6.1 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 186

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-186

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

* Adrenal Medulla	* Larynx
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>ANIMAL ID:</b> 187	<b>TRT#:</b> 13	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 269
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB389M-187

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**MISSING**

\* Larynx

**INSUFFICIENT TISSUE**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Mild
* Eye	Retina	Atrophy	Moderate
* Kidney		Mineralization	Focal, Minimal
* Lym Node Media			
Note: slide 9			
* Salivary Glands	Duct	Carcinoma	
[ Carcinoma TGLS = 1-11 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Diffuse, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 188	<b>TRT#:</b> 13 <b>DOSE:</b> 50000 PPM	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 79 <b>HISTO:</b> MB389M-188
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Kidney
* Lung	* Ovary	* Pancreas	* Salivary Glands
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Tongue	* Uterus
* Zymbal's Gland			

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**MISSING**

* Larynx	* Parathyroid Gland	* Pituitary Gland
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**AUTO PRECLUDES DIAG.**

* Blood Vessel	* Bone Marrow	* Brain	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Vagina			

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**OBSERVATIONS**

* Esophagus Note: slide 3			
* Liver	Inflammation		Acute, Focal, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 189

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-189

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**INSUFFICIENT TISSUE**

\* Larynx

**OBSERVATIONS**

* Adrenal Cortex		Atrophy	Mild
	Subcapsular	Hyperplasia	Focal, Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Eye	Retina	Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 190

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-190

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

* Clitoral Gland	* Esophagus	* Gallbladder	* Larynx
* Parathyroid Gland			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Atrophy	Mild
	Zona Reticul	Hyperplasia	Focal, Minimal
	Retina	Vacuolization Cytoplasmic	Mild
* Eye		Atrophy	Moderate
* Liver		Inflammation	Acute, Focal, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 2-6.1, 6.2 ]		
* Thymus		Atrophy	Diffuse, Marked
Tooth		Odontogenic Tumor	
	[ Odontogenic Tumor TGLS = 1-11 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 191	<b>TRT#:</b> 13	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 151
	<b>DOSE:</b> 50000 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> MB389M-191

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skeletal Muscle	* Skin	* Spleen
* Tongue	* Vagina	* Zymbal's Gland	

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**MISSING**

* Clitoral Gland	* Larynx	* Lymph Node, Mediastinal	
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**AUTO PRECLUDES DIAG.**

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 192

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:** MB389M-192

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Heart  
\* Tongue

\* Adrenal Medulla  
\* Kidney

\* Bone  
\* Skeletal Muscle

\* Harderian Gland  
\* Skin

**MISSING**

\* Gallbladder  
\* Zymbal's Gland

\* Larynx

\* Parathyroid Gland

\* Pituitary Gland

**AUTO PRECLUDES DIAG.**

\* Blood Vessel  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mediastinal  
\* Ovary  
\* Stomach, Forestomach  
\* Trachea

\* Bone Marrow  
\* Eye  
\* Intestine Small, Duodenum  
\* Liver  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Stomach, Glandular  
\* Urinary Bladder

\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Mammary Gland  
\* Salivary Glands  
\* Thymus  
\* Vagina

\* Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Nose  
\* Spleen  
\* Thyroid Gland

**OBSERVATIONS**

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 193

**TRT#:** 13  
**DOSE:** 50000 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 275  
**HISTO:** MB389M-193

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**MISSING**

* Larynx	* Lymph Node, Mesenteric
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Atrophy	Minimal
	Zona Reticul	Hyperplasia	Focal, Minimal
	Retina	Vacuolization Cytoplasmic	Minimal
* Eye		Atrophy	Moderate
* Harderian Gland		Inflammation	Chronic Active, Minimal
* Liver		Inflammation	Chronic Active, Focal, Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 194

**TRT#:** 13  
**DOSE:** 50000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 215  
**HISTO:** MB389M-194

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Harderian Gland	* Skin	* Tongue
* Uterus	* Zymbal's Gland		

**MISSING**

* Larynx	* Parathyroid Gland		
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**AUTO PRECLUDES DIAG.**

* Blood Vessel	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Vagina	

**OBSERVATIONS**

* Adrenal Cortex	Zona Reticul	Leukemia Erythrocytic Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Erythrocytic	
* Bone Marrow		Leukemia Erythrocytic	
* Heart		Leukemia Erythrocytic	
* Islets, Pancreatic		Leukemia Erythrocytic	
* Kidney		Leukemia Erythrocytic	
* Liver		Leukemia Erythrocytic	
[ Leukemia Erythrocytic TGLS = 1-8 ]			
* Lung		Leukemia Erythrocytic	
* Lymph Node, Mediastinal		Leukemia Erythrocytic	
* Mammary Gland		Leukemia Erythrocytic	
* Nose		Leukemia Erythrocytic	
* Ovary		Leukemia Erythrocytic	
* Pancreas		Leukemia Erythrocytic	
* Spleen		Leukemia Erythrocytic	
* Thyroid Gland		Leukemia Erythrocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 194

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 215

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:** MB389M-194

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 195

**TRT#:** 13

**SEX:** Female

**DAY ON TEST:** 275

**DOSE:** 50000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** MB389M-195

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**INSUFFICIENT TISSUE**

\* Larynx

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Brain	Cerebrum, Cortex	Degeneration	Focal, Minimal
* Eye	Retina	Atrophy	Moderate
* Liver		Necrosis	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-6.1 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 196

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 199

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-196

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 197

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 117

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-197

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 198

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 103

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-198

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 199

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 152

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-199

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 200

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 123

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-200

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 201

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** TPA CONTROL

**DISP:** Natural Death

**HISTO:** MB389M-201

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 202

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 136

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-202

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 203

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-203

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 204

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 152

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-204

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 205

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 103

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-205

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 206

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 138

**DOSE:** TPA CONTROL

**DISP:** Natural Death

**HISTO:** MB389M-206

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 207

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 113

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-207

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 208

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 152

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-208

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 209

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 117

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-209

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99033-01  
**Test Type:** 26-39 WEEKS  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/TG.AC HEMI

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Aspartame)  
**CAS Number:** 22839-47-0

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 00:04:37  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 210

**TRT#:** 14

**SEX:** Female

**DAY ON TEST:** 179

**DOSE:** TPA CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** MB389M-210

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE