

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

C Number: C20201A
Lock Date: 07/24/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include 001 0 NG/KG

Include 002 121 NG/KG

Include 003 760 NG/KG

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TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	1	TMT:	1	SEX:	Female	DAY ON TEST:	187
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
Spleen	Thymus		

OBSERVATIONS

* Liver		Inflammation	Minimal
		Pigmentation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 1-10]		

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CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	2	TMT:	1	SEX:	Female	DAY ON TEST:	183
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Skin, Soa No Mass	Skin, Control Dermis Spleen	Skin, Control Epidermis Thymus	Skin, Site Of Application
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OBSERVATIONS

* Liver	Clear Cell Focus Inflammation Necrosis	Minimal Minimal
Mesentery [Necrosis TGLs = 2-10]	Necrosis	Moderate
* Skin Note: TGL 1 was from the urogenital area. [Hyperplasia TGLs = 1-10]	Hyperplasia Inflammation	Squamous, Moderate Chronic Active, Mild

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First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	3	TMT:	1	SEX:	Female	DAY ON TEST:	185
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
Spleen	Thymus		

OBSERVATIONS

* Liver		Inflammation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal

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First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM: 4	TMT: 1	SEX: Female	DAY ON TEST: 185
	DOSE: 0 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
Spleen	Thymus		

OBSERVATIONS

* Liver		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
	Perivascular	Inflammation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 1-10]		

TDMS No. 20201 - 01
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Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM: 6	TMT: 1	SEX: Female	DAY ON TEST: 186
	DOSE: 0 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Ovary	Skin, Control Dermis	Skin, Control Epidermis	Skin, Soa No Mass
Spleen	Thymus		

OBSERVATIONS

* Liver	Inflammation	Minimal
	Pigmentation	Minimal
* Lung	Alveolar/Bronchiolar Adenoma	
Ovary	Note: No lesions were found. The cysts were probably bursal cysts which collapsed during processing.	
Skin, Site of Application	Inflammation	Chronic Active, Minimal
	Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 1-11]	
Tooth	Odontogenic Tumor	Multiple
	[Odontogenic Tumor TGLs = 2-10]	

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First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	7	TMT:	1	SEX:	Female	DAY ON TEST:	185
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Spleen	Thymus		

OBSERVATIONS

* Liver	Inflammation	Minimal
	Pigmentation	Minimal
Skin, SOA No Mass	Inflammation	Chronic Active, Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 2-11]		
Tooth	Odontogenic Tumor	
[Odontogenic Tumor TGLs = 1-10]		

TDMS No. 20201 - 01
Test Type: 26-WEEK
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First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	8	TMT:	1	SEX:	Female	DAY ON TEST:	165
		DOSE:	0 NG/KG	DISP:	Moribund Sacrifice	HISTO:	0303058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis Spleen	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
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OBSERVATIONS

* Liver	[Hepatodiaphragmatic Nodule TGLs = 2-4]	Hepatodiaphragmatic Nodule Inflammation Necrosis Pigmentation	Mild Minimal Minimal
* Lung	Interstitialium	Inflammation	Minimal
Thymus		Atrophy	Moderate
Tooth	[Odontogenic Tumor TGLs = 1-1]	Odontogenic Tumor	

TDMS No. 20201 - 01

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Date Report Requested: 06/14/2006

Time Report Requested: 13:12:56

First Dose M/F: NA / 04/21/03

Lab: BAT

ANIMAL NUM:	9	TMT:	1	SEX:	Female	DAY ON TEST:	186
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Fatty Change	Minimal
	Inflammation	Minimal
Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 1-10]		

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 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 10	TMT: 1	SEX: Female	DAY ON TEST: 183
	DOSE: 0 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
Thymus			

OBSERVATIONS

* Liver		Inflammation Pigmentation	Mild Minimal
* Lung	Perivascular Serosa	Inflammation Inflammation	Minimal Chronic Active, Minimal
* Skin		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Minimal
Note: TGL 1 was from the genital area.			
	[Hyperplasia TGLs = 1-10]		
	[Inflammation TGLs = 1-10]		
Spleen		Hematopoietic Cell Proliferation	Minimal

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First Dose M/F: NA / 04/21/03

Lab: BAT

ANIMAL NUM: 11	TMT: 1	SEX: Female	DAY ON TEST: 185
	DOSE: 0 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Stomach, Forestomach	Thymus

OBSERVATIONS

* Liver	Inflammation	Minimal
	Pigmentation	Minimal
* Skin	Hyperplasia	Squamous, Minimal

Note: TGL 1 was from the genital area.
[Hyperplasia TGLs = 1-10]

TDMS No. 20201 - 01

Test Type: 26-WEEK

Route: SKIN APPLICATION

Species/Strain: MICE/TG.AC HEMI

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Date Report Requested: 06/14/2006

Time Report Requested: 13:12:56

First Dose M/F: NA / 04/21/03

Lab: BAT

ANIMAL NUM:	12	TMT:	1	SEX:	Female	DAY ON TEST:	74
		DOSE:	0 NG/KG	DISP:	Natural Death	HISTO:	0303062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Inflammation	Minimal
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TDMS No. 20201 - 01
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Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	13	TMT:	1	SEX:	Female	DAY ON TEST:	187
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Inflammation	Minimal
	Pigmentation	Minimal
Tooth	Odontogenic Tumor	
[Odontogenic Tumor TGLs = 1-10]		

TDMS No. 20201 - 01
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First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	14	TMT:	1	SEX:	Female	DAY ON TEST:	81
		DOSE:	0 NG/KG	DISP:	Natural Death	HISTO:	0306064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Inflammation	Minimal
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Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	15	TMT:	1	SEX:	Female	DAY ON TEST:	183
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Inflammation	Minimal
	Necrosis	Mild
	Pigmentation	Minimal
Tooth	Odontogenic Tumor	
[Odontogenic Tumor TGLs = 1-10]		

TDMS No. 20201 - 01
Test Type: 26-WEEK
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Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	16	TMT:	1	SEX:	Female	DAY ON TEST:	184
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Skin, Site Of Application	Lymph Node, Mesenteric Skin, Soa No Mass	Skin, Control Dermis Spleen	Skin, Control Epidermis Thymus
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OBSERVATIONS

* Liver	Hematopoietic Cell Proliferation Inflammation Necrosis	Minimal Minimal Minimal
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TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 17	TMT: 1	SEX: Female	DAY ON TEST: 186
	DOSE: 0 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver	Inflammation	Minimal
	Necrosis	Minimal
Salivary Glands	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 2-11]		
Skin, Site of Application	Hyperplasia	Squamous, Moderate
	Inflammation	Chronic Active, Minimal
[Hyperplasia TGLs = 1-10]		
Skin, SOA No Mass	Hyperplasia	Squamous, Minimal
	Inflammation	Chronic Active, Minimal
Stomach, Forestomach	Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLs = 3-12+13]		
Stomach, Glandular Glands	Hyperplasia	Mild

TDMS No. 20201 - 01

Test Type: 26-WEEK

Route: SKIN APPLICATION

Species/Strain: MICE/TG.AC HEMI

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TEF TRANSGENICS (TCDD)

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Date Report Requested: 06/14/2006

Time Report Requested: 13:12:56

First Dose M/F: NA / 04/21/03

Lab: BAT

ANIMAL NUM:	18	TMT:	1	SEX:	Female	DAY ON TEST:	186
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Thymus		

OBSERVATIONS

* Liver	Inflammation	Minimal
Spleen	Hematopoietic Cell Proliferation	Minimal

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	19	TMT:	1	SEX:	Female	DAY ON TEST:	184
		DOSE:	0 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis Thymus	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
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OBSERVATIONS

* Liver		Inflammation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20201 - 01
 Test Type: 26-WEEK
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 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
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 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 20	TMT: 1	SEX: Female	DAY ON TEST: 184
	DOSE: 0 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application	Skin, Soa No Mass
Spleen			

OBSERVATIONS

* Liver		Inflammation Pigmentation	Moderate Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
* Skin		Fibrosis Hyperplasia Inflammation Ulcer	Mild Squamous, Mild Chronic Active, Minimal Minimal
Note: TGL 1 was from the genital area. [Fibrosis TGLs = 1-10]			
Thymus		Atrophy	Marked
Tooth		Odontogenic Tumor	
	[Odontogenic Tumor TGLs = 2-1]		

TDMS No. 20201 - 01
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 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 101	TMT: 2	SEX: Female	DAY ON TEST: 183
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Spleen	Thymus
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OBSERVATIONS

* Liver		Fatty Change Inflammation Pigmentation	Minimal Mild Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Marked Chronic Active, Moderate Multiple
[Squamous Cell Papilloma	TGLs = 1,2,3,4,5-10+11+12+13+14]		
Skin, SOA No Mass		Inflammation	Chronic Active, Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 6-15]		

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 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 102	TMT: 2	SEX: Female	DAY ON TEST: 183
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Inflammation Necrosis Pigmentation	Mild Mild Minimal
* Lung	Perivascular	Inflammation	Minimal
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Moderate Chronic Active, Moderate Multiple
	[Squamous Cell Papilloma TGLs = 2,3,4,5,6-11+12+13+14+15]		
Skin, SOA No Mass		Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 7-16]		

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Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 103	TMT: 2	SEX: Female	DAY ON TEST: 183
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Soa No Mass
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OBSERVATIONS

* Liver		Fatty Change	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung	Perivascular	Inflammation	Minimal
Skin, Site of Application		Hyperplasia	Squamous, Marked
		Inflammation	Chronic Active, Mild
		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLs = 1,2,3,4,5-10+11+12+13+14]		
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6-15]		
Thymus		Atrophy	Minimal

TDMS No. 20201 - 01
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Species/Strain: MICE/TG.AC HEMI

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Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM: 104	TMT: 2	SEX: Female	DAY ON TEST: 122
	DOSE: 121 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver		Inflammation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
Skin, Site of Application		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 1-10]		
Skin, SOA No Mass		Hyperplasia	Squamous, Minimal
Thymus		Atrophy	Marked

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

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First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	105	TMT:	2	SEX:	Female	DAY ON TEST:	183
		DOSE:	121 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver		Inflammation Necrosis	Minimal Mild
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Marked Chronic Active, Moderate Multiple
[Squamous Cell Papilloma	TGLs = 1,2,3,4,5-10+11+12+13+14]		
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Minimal

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	106	TMT:	2	SEX:	Female	DAY ON TEST:	110
		DOSE:	121 NG/KG	DISP:	Moribund Sacrifice	HISTO:	0303076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Soa No Mass	Spleen
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OBSERVATIONS

* Liver	Fatty Change Inflammation Necrosis	Minimal Minimal Minimal
Skin, Control Epidermis	Hyperplasia	Squamous, Minimal
Skin, Site of Application	Hyperplasia Inflammation	Squamous, Marked Chronic Active, Mild
[Hyperplasia TGLs = 1,2,3-10+11+12]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 107	TMT: 2	SEX: Female	DAY ON TEST: 187
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Inflammation Necrosis	Minimal Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
Skin, Site of Application		Inflammation Squamous Cell Papilloma	Chronic Active, Mild Multiple
	[Squamous Cell Papilloma TGLs = 1,2,3,4,5-10+11+12+13+14]		
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 6-4]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 109	TMT: 2	SEX: Female	DAY ON TEST: 172
	DOSE: 121 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Soa No Mass	Thymus
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OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
Skin, Control Epidermis		Hyperkeratosis	Minimal
Skin, Site of Application		Hyperplasia	Squamous, Marked
		Inflammation	Chronic Active, Mild
	[Hyperplasia TGLs = 1,2-11+12+13]		
Spleen		Hematopoietic Cell Proliferation	Mild
Tooth		Malformation	
		Odontogenic Tumor	Multiple
	[Malformation TGLs = 4-10]		
	[Odontogenic Tumor TGLs = 3-10]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 110	TMT: 2	SEX: Female	DAY ON TEST: 183
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation Inflammation Necrosis Pigmentation	Minimal Minimal Mild Minimal
* Lung	Perivascular	Infiltration Cellular	Mixed Cell, Minimal
* Skin		Inflammation Squamous Cell Papilloma	Chronic Active, Mild
Note: TGL 6 was from the genital area. [Squamous Cell Papilloma TGLs = 6-15]			
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Mild Chronic Active, Mild Multiple
[Squamous Cell Papilloma TGLs = 1,2,3,4,5-10+11+12+13+14]			
Skin, SOA No Mass		Hyperplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 111	TMT: 2	SEX: Female	DAY ON TEST: 183
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation Inflammation Pigmentation	Minimal Minimal Minimal
Lymph Node, Mandibular [Hyperplasia TGLs = 8-2]		Hyperplasia	Lymphoid, Mild
Skin, Site of Application [Squamous Cell Papilloma TGLs = 2,3,4,5,6-11+12+13+14+15]		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Moderate Chronic Active, Mild Multiple
Skin, SOA No Mass		Inflammation	Chronic Active, Minimal
Spleen [Hematopoietic Cell Proliferation TGLs = 7-4]		Hematopoietic Cell Proliferation	Mild

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM: 112	TMT: 2	SEX: Female	DAY ON TEST: 102
	DOSE: 121 NG/KG	DISP: Natural Death	HISTO: 0303082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Inflammation	Minimal
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TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 113	TMT: 2	SEX: Female	DAY ON TEST: 184
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Inflammation	Minimal
* Lung	Serosa	Inflammation	Chronic Active, Minimal
Skin, Site of Application		Hyperplasia	Squamous, Moderate
		Inflammation	Chronic Active, Moderate
		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLs = 1,2,3,4,5-10+11+12+13+14]		
Skin, SOA No Mass		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Minimal

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	114	TMT:	2	SEX:	Female	DAY ON TEST:	184
		DOSE:	121 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis Thymus	Skin, Control Epidermis	Skin, Soa No Mass	Spleen
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OBSERVATIONS

* Liver		Inflammation Pigmentation	Minimal Minimal
* Lung	Interstitialium	Inflammation	Mild
Skin, Site of Application		Inflammation Squamous Cell Papilloma	Chronic Active, Mild Multiple
Note: A few dysplastic cells were in the stalk of the tumor on Slide 10. [Squamous Cell Papilloma TGLs = 1,2-10+11]			
Tooth	[Odontogenic Tumor TGLs = 3-1]	Odontogenic Tumor	

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 115	TMT: 2	SEX: Female	DAY ON TEST: 183
	DOSE: 121 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Spleen
Thymus			

OBSERVATIONS

* Liver		Inflammation	Minimal
Skin, Site of Application		Fibrosis	Mild
		Hyperplasia	Squamous, Minimal
		Inflammation	Chronic Active, Mild
		Squamous Cell Papilloma	Multiple
	[Fibrosis TGLs = 4-13]		
	[Squamous Cell Papilloma TGLs = 2,3-11+12]		
Skin, SOA No Mass		Inflammation	Chronic Active, Minimal
Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-14]		
Tooth		Odontogenic Tumor	Multiple
	[Odontogenic Tumor TGLs = 1,6-1+10]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 116	TMT: 2	SEX: Female	DAY ON TEST: 123
	DOSE: 121 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver	Fatty Change Inflammation Necrosis	Minimal Minimal Minimal
Skin, Site of Application	Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Marked Chronic Active, Mild
[Hyperplasia TGLs = 1-11+12] [Squamous Cell Papilloma TGLs = 1-10]		
Skin, SOA No Mass	Hyperplasia	Mast Cell, Mild

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	117	TMT:	2	SEX:	Female	DAY ON TEST:	183
		DOSE:	121 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Soa No Mass
Thymus			

OBSERVATIONS

* Liver		Inflammation	Minimal
Skin, Site of Application		Inflammation	Chronic Active, Mild
		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma	TGLs = 1,2,3,4,5-10+11+12+13+14]	
Spleen		Hematopoietic Cell Proliferation	Minimal

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	119	TMT:	2	SEX:	Female	DAY ON TEST:	57
		DOSE:	121 NG/KG	DISP:	Moribund Sacrifice	HISTO:	0303089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Skin, Site Of Application
Skin, Soa No Mass	Spleen	Thymus	

OBSERVATIONS

* Liver	Inflammation	Minimal
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TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	120	TMT:	2	SEX:	Female	DAY ON TEST:	186
		DOSE:	121 NG/KG	DISP:	Terminal Sacrifice	HISTO:	0303090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis Thymus	Skin, Control Epidermis	Skin, Soa No Mass	Spleen
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OBSERVATIONS

* Liver	Inflammation	Mild
	Necrosis	Mild
	Pigmentation	Minimal
* Lung	Alveolar/Bronchiolar Adenoma	
Skin, Site of Application	Inflammation	Chronic Active, Mild
	Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLs = 2,3-11,12]		
Tooth	Odontogenic Tumor	
[Odontogenic Tumor TGLs = 1-10]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 121	TMT: 3	SEX: Female	DAY ON TEST: 185
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	Skin, Control Dermis	Skin, Control Epidermis	Thymus

OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation Inflammation Pigmentation	Minimal Minimal Minimal
Skin, Site of Application		Hyperplasia Inflammation Spindle Cell Carcinoma Squamous Cell Carcinoma Squamous Cell Papilloma	Squamous, Mild Chronic Active, Mild Multiple
	[Squamous Cell Carcinoma TGLs = 2-10] [Squamous Cell Papilloma TGLs = 1,2,3,4,5,6-10+11+12]		
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 7-4]		
Stomach, Forestomach		Hyperplasia	Moderate
	[Hyperplasia TGLs = 8-13]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 123	TMT: 3	SEX: Female	DAY ON TEST: 183
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Spleen
Thymus			

OBSERVATIONS

* Liver	Hepatocyte	Degeneration	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
	Centrilobular	Vacuolization Cytoplasmic	Mild
Skin, Site of Application		Hyperplasia	Squamous, Mild
		Inflammation	Chronic Active, Mild
		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma	TGLs = 1,2,3,4,5-10+11+12+13+14]		
Skin, SOA No Mass		Inflammation	Chronic Active, Minimal

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 124 TMT: 3 SEX: Female DAY ON TEST: 185
 DOSE: 760 NG/KG DISP: Terminal Sacrifice HISTO: 0303094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney Skin, Control Dermis Skin, Control Epidermis

OBSERVATIONS

Heart		Inflammation Thrombosis	Chronic Active, Mild Moderate
	[Inflammation TGLs = 12,13-3] [Thrombosis TGLs = 12,13-3]		
* Liver	Hepatocyte	Degeneration Hematopoietic Cell Proliferation Tension Lipidosis	Mild Moderate Moderate
	[Hematopoietic Cell Proliferation TGLs = 8-3+4+5]		
* Lung	Alveolar Epith Bronchiole Serosa Perivascular	Hyperplasia Inflammation Inflammation Inflammation	Mild Minimal Chronic Active, Minimal Minimal
Lymph Node		Squamous Cell Carcinoma	Metastatic (Skin)
	Note: The axillary lymph nodes were affected. [Squamous Cell Carcinoma TGLs = 10-17]		
* Skin		Squamous Cell Papilloma	Multiple
	Note: TGL 6 (slides 15 and 16) were from the genital area; TGL 11 (slide 18) was from the face. [Squamous Cell Papilloma TGLs = 6,11-15+16+18]		
Skin, Site of Application		Hyperplasia Inflammation Spindle Cell Carcinoma Squamous Cell Papilloma	Squamous, Mild Chronic Active, Mild Multiple Multiple
	[Spindle Cell Carcinoma TGLs = 2,5-11+14] [Squamous Cell Papilloma TGLs = 1,3,4-10+12+13]		
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 7-4]		
Thymus		Atrophy	Moderate
	[Atrophy TGLs = 14-6]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20201 - 01

Test Type: 26-WEEK

Route: SKIN APPLICATION

Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

TEF TRANSGENICS (TCDD)

CAS Number: 1746-01-6

Date Report Requested: 06/14/2006

Time Report Requested: 13:12:56

First Dose M/F: NA / 04/21/03

Lab: BAT

ANIMAL NUM: 125 TMT: 3
DOSE: 760 NG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 122
HISTO: 0303095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Skin, Control Epidermis Skin, Soa No Mass Thymus

OBSERVATIONS

* Liver	Hepatocyte	Degeneration Hematopoietic Cell Proliferation Inflammation	Minimal Minimal Minimal
Skin, Control Dermis		Inflammation	Chronic Active, Minimal
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Mild Chronic Active, Mild Multiple
	[Squamous Cell Papilloma TGLs = 1,2,3,4,5-10+11+12+13+14]		
Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 6-4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 126	TMT: 3	SEX: Female	DAY ON TEST: 151
	DOSE: 760 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

Kidney	Renal Tubule Renal Tubule [Vacuolization Cytoplasmic TGLs = 8-4]	Dilatation Vacuolization Cytoplasmic	Mild Minimal
* Liver	[Necrosis TGLs = 7-3+4+5]	Inflammation Necrosis Pigmentation	Minimal Mild Minimal
Skin, Site of Application	[Squamous Cell Carcinoma TGLs = 3-12] [Squamous Cell Papilloma TGLs = 1,2,4,5,6-10+11+13+14+15]	Hyperplasia Inflammation Squamous Cell Carcinoma Squamous Cell Papilloma	Squamous, Mild Chronic Active, Moderate Multiple
Skin, SOA No Mass		Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 127	TMT: 3	SEX: Female	DAY ON TEST: 184
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Fatty Change	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung	Interstitialium	Inflammation	Mild
Skin, Site of Application		Inflammation	Chronic Active, Moderate
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	Multiple
	[Squamous Cell Carcinoma TGLs = 3-11]		
	[Squamous Cell Papilloma TGLs = 1,2,4,5-10+11+12]		
Skin, SOA No Mass		Hyperplasia	Squamous, Minimal
		Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 128	TMT: 3	SEX: Female	DAY ON TEST: 143
	DOSE: 760 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver		Inflammation Necrosis Pigmentation	Mild Minimal Mild
* Lung	Serosa Interstitium	Inflammation Inflammation	Chronic Active, Mild Moderate
* Skin		Cyst Epithelial Inclusion Squamous Cell Papilloma	
Note: The lesions correlating with TGL 6 were an epidermal inclusion cyst and a squamous cell papilloma. [Cyst Epithelial Inclusion TGLs = 6-14] [Squamous Cell Papilloma TGLs = 6-14]			
Skin, Site of Application		Inflammation Squamous Cell Papilloma	Chronic Active, Minimal Multiple
	[Squamous Cell Papilloma TGLs = 1,2,3,4,5-11+12+13]		
Thymus		Atrophy	Marked
Tooth		Odontogenic Tumor	Multiple
	[Odontogenic Tumor TGLs = 7-10]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 129	TMT: 3	SEX: Female	DAY ON TEST: 185
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Skin, Soa No Mass	Thymus
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OBSERVATIONS

* Liver		Fatty Change	Minimal
		Inflammation	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
* Lung	Bronchiole	Inflammation	Minimal
Skin, Site of Application		Inflammation	Chronic Active, Moderate
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	Multiple
	[Squamous Cell Carcinoma TGLs = 5-14]		
	[Squamous Cell Papilloma TGLs = 1,2,3,4-10+11+12+13]		
Spleen		Hematopoietic Cell Proliferation	Minimal

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 130	TMT: 3	SEX: Female	DAY ON TEST: 184
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Epidermis

MISSING

Thymus

OBSERVATIONS

* Liver		Fatty Change Inflammation Pigmentation	Minimal Minimal Minimal
* Lung	Alveolus Serosa	Infiltration Cellular Inflammation	Histiocyte, Moderate Chronic Active, Moderate
* Skin		Inflammation Squamous Cell Papilloma	Chronic Active, Mild
Note: TGL 7 was from the ear.- [Squamous Cell Papilloma TGLs = 7-15]			
Skin, Control Dermis		Inflammation	Chronic Active, Minimal
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Carcinoma Squamous Cell Papilloma	Squamous, Mild Chronic Active, Moderate Multiple
[Squamous Cell Carcinoma TGLs = 4-13] [Squamous Cell Papilloma TGLs = 1,2,3,5-10+11+12+14]			
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Mild Chronic Active, Mild
Spleen	[Hematopoietic Cell Proliferation TGLs = 6-4]	Hematopoietic Cell Proliferation	Mild

TDMS No. 20201 - 01

Test Type: 26-WEEK

Route: SKIN APPLICATION

Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

TEF TRANSGENICS (TCDD)

CAS Number: 1746-01-6

Date Report Requested: 06/14/2006

Time Report Requested: 13:12:56

First Dose M/F: NA / 04/21/03

Lab: BAT

ANIMAL NUM: 131 TMT: 3 DOSE: 760 NG/KG

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 155 HISTO: 0303101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Epidermis Thymus

OBSERVATIONS

* Liver		Fatty Change	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Mild
		Myelodysplasia	Mild
		Necrosis	Minimal
		Pigmentation	Mild
* Lung	Interstitial	Inflammation	Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 8-2]		
* Skin		Inflammation	Chronic Active, Moderate
		Squamous Cell Papilloma	
	Note: There was a spindle cell component to the carcinoma in slide 11.		
	Note: TGL 1 was from the head area.		
	[Squamous Cell Papilloma TGLs = 1-10]		
Skin, Control Dermis		Inflammation	Chronic Active, Minimal
Skin, Site of Application		Inflammation	Chronic Active, Moderate
		Spindle Cell Carcinoma	
		Squamous Cell Papilloma	Multiple
	[Spindle Cell Carcinoma TGLs = 4-11]		
	[Squamous Cell Papilloma TGLs = 2,3,5,6-11+12]		
Spleen		Myelodysplasia	Mild
	[Myelodysplasia TGLs = 7-4]		
Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLs = 9-13]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 132	TMT: 3	SEX: Female	DAY ON TEST: 187
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Fatty Change Hematopoietic Cell Proliferation Inflammation Necrosis Pigmentation	Minimal Minimal Minimal Minimal Minimal
* Skin		Inflammation Squamous Cell Carcinoma	Chronic Active, Moderate
Note: TGL 1 was from the thorax. [Squamous Cell Carcinoma TGLs = 1-10]			
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Mild Chronic Active, Mild Multiple
[Squamous Cell Papilloma TGLs = 2,3,4,5,6-11+12+13]			
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Minimal

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 133	TMT: 3	SEX: Female	DAY ON TEST: 183
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver		Fatty Change	Minimal
		Inflammation	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 6-13]			
Skin, Site of Application		Inflammation	Chronic Active, Moderate
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	Multiple
[Squamous Cell Carcinoma TGLs = 3-11]			
[Squamous Cell Papilloma TGLs = 1,2,3,4,5-10+11+12]			
Skin, SOA No Mass		Inflammation	Granulomatous, Minimal

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	134	TMT:	3	SEX:	Female	DAY ON TEST:	97
		DOSE:	760 NG/KG	DISP:	Moribund Sacrifice	HISTO:	0303104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Spleen	Skin, Control Dermis	Skin, Control Epidermis	Skin, Soa No Mass
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OBSERVATIONS

* Liver	Necrosis	Moderate
Skin, Site of Application	Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Moderate Chronic Active, Moderate Multiple
[Hyperplasia TGLs = 1-11] [Squamous Cell Papilloma TGLs = 1-10+11]		
Thymus	Atrophy	Minimal

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 135	TMT: 3	SEX: Female	DAY ON TEST: 184
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver	Inflammation Necrosis Pigmentation	Mild Minimal Mild
Skin, Site of Application	Hyperkeratosis Hyperplasia Inflammation	Minimal Squamous, Moderate Chronic Active, Moderate
[Hyperplasia TGLs = 2-10] [Inflammation TGLs = 2-10]		
Skin, SOA No Mass	Hyperplasia Inflammation	Squamous, Mild Chronic Active, Mild
Tooth	Odontogenic Tumor	
[Odontogenic Tumor TGLs = 1-1]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 136	TMT: 3	SEX: Female	DAY ON TEST: 155
	DOSE: 760 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin, Control Dermis	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver		Inflammation Myelodysplasia Necrosis	Minimal Mild Minimal
* Lung	Perivascular	Inflammation	Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 9-2+6]		
* Skin		Inflammation Squamous Cell Papilloma	Chronic Active, Mild Multiple
	Note: Slides 10 and 11 (TGL 1 and 2) were from the head area. [Squamous Cell Papilloma TGLs = 1,2-10+11]		
Skin, Site of Application		Hyperplasia Inflammation Squamous Cell Papilloma	Squamous, Moderate Chronic Active, Mild Multiple
	[Squamous Cell Papilloma TGLs = 3,4,5,6,7-12+13+14]		
Skin, SOA No Mass		Hyperplasia Inflammation	Squamous, Minimal Chronic Active, Moderate
Spleen		Myelodysplasia	Mild
	[Myelodysplasia TGLs = 8-4]		
Stomach, Forestomach		Hyperplasia Squamous Cell Papilloma	Mild Multiple
	[Squamous Cell Papilloma TGLs = 10-15]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 137	TMT: 3	SEX: Female	DAY ON TEST: 184
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Epidermis	Thymus
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OBSERVATIONS

* Liver	Fatty Change	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Inflammation	Mild
	Necrosis	Minimal
	Pigmentation	Minimal
Skin, Control Dermis	Inflammation	Chronic Active, Minimal
Skin, Site of Application	Hyperplasia	Squamous, Moderate
	Inflammation	Chronic Active, Moderate
	Spindle Cell Carcinoma	
	Squamous Cell Carcinoma	
	Squamous Cell Papilloma	Multiple
[Spindle Cell Carcinoma TGLs = 3-11]		
[Squamous Cell Carcinoma TGLs = 4-12]		
[Squamous Cell Papilloma TGLs = 1,2,4,5-10+11+12+13]		
Skin, SOA No Mass	Hyperplasia	Squamous, Minimal
	Inflammation	Chronic Active, Minimal
Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 6-4]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 138	TMT: 3	SEX: Female	DAY ON TEST: 185
	DOSE: 760 NG/KG	DISP: Terminal Sacrifice	HISTO: 0303108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung Thymus	Skin, Control Dermis	Skin, Control Epidermis	Spleen
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OBSERVATIONS

* Liver	Fatty Change	Minimal
	Inflammation	Mild
	Necrosis	Minimal
	Pigmentation	Minimal
Skin, Site of Application	Hyperplasia	Squamous, Moderate
	Inflammation	Chronic Active, Mild
	Squamous Cell Carcinoma	
	Squamous Cell Papilloma	Multiple
[Squamous Cell Carcinoma TGLs = 4-13]		
[Squamous Cell Papilloma TGLs = 1,2,3,5-10+11+12+13]		
Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 6-14]		
Stomach, Glandular Glands	Hyperplasia	Mild
[Hyperplasia TGLs = 7-15]		

TDMS No. 20201 - 01
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 TEF TRANSGENICS (TCDD)
 CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
 Time Report Requested: 13:12:56
 First Dose M/F: NA / 04/21/03
 Lab: BAT

ANIMAL NUM: 139	TMT: 3	SEX: Female	DAY ON TEST: 156
	DOSE: 760 NG/KG	DISP: Moribund Sacrifice	HISTO: 0303109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis
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OBSERVATIONS

* Liver	Hematopoietic Cell Proliferation	Minimal
	Inflammation	Mild
	Necrosis	Minimal
	Pigmentation	Minimal
Skin, Site of Application	Hyperplasia	Squamous, Moderate
	Inflammation	Chronic Active, Moderate
	Keratoacanthoma	
	Squamous Cell Carcinoma	Multiple
	Squamous Cell Papilloma	Multiple
[Keratoacanthoma TGLs = 2-11]		
[Squamous Cell Carcinoma TGLs = 1,5-10+12]		
[Squamous Cell Papilloma TGLs = 2,3,4-11+12]		
Skin, SOA No Mass	Inflammation	Chronic Active, Minimal
Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 6-4]		
Thymus	Atrophy	Minimal

TDMS No. 20201 - 01
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: MICE/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
TEF TRANSGENICS (TCDD)
CAS Number: 1746-01-6

Date Report Requested: 06/14/2006
Time Report Requested: 13:12:56
First Dose M/F: NA / 04/21/03
Lab: BAT

ANIMAL NUM:	140	TMT:	3	SEX:	Female	DAY ON TEST:	84
		DOSE:	760 NG/KG	DISP:	Natural Death	HISTO:	0303110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	Skin, Control Dermis	Skin, Control Epidermis	Spleen
Thymus			

OBSERVATIONS

* Liver	Inflammation	Minimal
Skin, Site of Application	Hyperplasia	Squamous, Moderate
	Inflammation	Chronic Active, Mild
	Squamous Cell Papilloma	Multiple
[Hyperplasia TGLs = 3,4,5-12+13+14]		
[Squamous Cell Papilloma TGLs = 1,2-10+11]		
Skin, SOA No Mass	Hyperplasia	Squamous, Minimal
	Inflammation	Chronic Active, Minimal

*** END OF REPORT ***