

Experiment Number: 99007-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

C Number: C99007
Lock Date: 10/11/2001
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date NONE

Experiment Number: 99007-02

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Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

**B6C3F1 Mouse Male
VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
1560 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
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First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
1560 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
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CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
3121 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
3121 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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Test Compound: Goldenseal root powder
 CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
 Time Report Requested: 02:31:38
 First Dose M/F: NA / NA
 Lab: MBA

**B6C3F1 Mouse Male
 6250 PPM**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
	1	2	3	4	5
	*TOTALS				

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Spleen + 1

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99007-02
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Date Report Requested: 10/16/2014
 Time Report Requested: 02:31:38
 First Dose M/F: NA / NA
 Lab: MBA

B6C3F1 Mouse Male
6250 PPM

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
	1	2	3	4	5
	*TOTALS				

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + 1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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Species/Strain: Mouse/B6C3F1

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Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
12500 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
12500 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
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Experiment Number: 99007-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

**B6C3F1 Mouse Male
25000 PPM**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	1	2	3	4	5	*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99007-02

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Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

B6C3F1 Mouse Male
25000 PPM

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	1	2	3	4	5	*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	5
----------------	---	---	---	---	---	---

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99007-02

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Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

**B6C3F1 Mouse Male
50000 PPM**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	6	6	6	6	6
	1	2	3	4	5
	*TOTALS				

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

B6C3F1 Mouse Female	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		0	0	0	0	0
VEHICLE CONTROL	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	1
		6	7	8	9	0
						*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
1560 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99007-02
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Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

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CAS Number: GOLDENSEALRT

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Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
1560 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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Experiment Number: 99007-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
3121 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
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Experiment Number: 99007-02
Test Type: 14-DAY
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Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
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CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
3121 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99007-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
6250 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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Experiment Number: 99007-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
6250 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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Experiment Number: 99007-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014
Time Report Requested: 02:31:38
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
12500 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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

DAY ON TEST

B6C3F1 Mouse Female
12500 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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Experiment Number: 99007-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

B6C3F1 Mouse Female 25000 PPM	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0		
	0	0	0	0	0		
	5	5	5	5	6		
	6	7	8	9	0	*TOTALS	

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99007-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

B6C3F1 Mouse Female 25000 PPM	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	6	
		6	7	8	9	0	*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ		+	+	+	+	+	5
----------------	--	---	---	---	---	---	---

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99007-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:38

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

B6C3F1 Mouse Female 50000 PPM	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
	ANIMAL ID	0	0	0	0	0
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	7	
	6	7	8	9	0	
	*TOTALS					

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99007-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Time Report Requested: 02:31:39

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

B6C3F1 Mouse Female 50000 PPM	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		6	6	6	6	7	
		6	7	8	9	0	*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + +

5

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically