

Experiment Number: 20007 - 01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Kava kava extract
CAS Number: 9000-38-8

Date Report Requested: 09/15/2016
Time Report Requested: 14:42:03
First Dose M/F: 02/18/03 / 02/18/03
Lab: BAT

NTP Study Number: C20007
Lock Date: 04/22/2003
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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Date Report Requested: 09/15/2016

Time Report Requested: 14:42:03

First Dose M/F: 02/18/03 / 02/18/03

Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5	
Hematopoietic Cell Proliferation					1	1	1.0
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1	5	1.0
Hepatocyte, Vacuolization Cytoplasmic			1			1	1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		0	0	0	0	0	
0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5	
Mineralization					1		1 1.0
Alveolus, Infiltration Cellular, Mononuclear Cell	1		1	1			3 1.0
Interstitial, Infiltration Cellular, Mononuclear Cell	1	1	1	1	1		5 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	5	
Mineralization	1						1 1.0

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+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
0.5 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		0	0	0	0	0	
		1	2	3	4	5	
* 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

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Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		0	0	0	0	0	
0.5 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung			+			1	
Hemorrhage				2			1 2.0
Alveolus, Infiltration Cellular, Mononuclear Cell				1			1 1.0
Interstitium, Infiltration Cellular, Mononuclear Cell				1			1 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
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Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		7	7	7	7	7	
1.0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	5	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5
Infiltration Cellular, Mononuclear Cell					1	1 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

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Lab: BAT

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		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		7	7	7	7	7	
1.0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	5	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
2.0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		6	6	6	6	6	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5	
Hepatodiaphragmatic Nodule		1					1 1.0
Infiltration Cellular, Mononuclear Cell	1	1	1		1		4 1.0
Hepatocyte, Hypertrophy	1	1	1	1	1		5 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

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Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		0	0	0	0	0	
2.0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		6	6	6	6	6	
		0	0	0	0	0	
		1	2	3	4	5	

*** TOTALS**

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5	
Alveolus, Infiltration Cellular, Mononuclear Cell	1	1	1	1	1		5 1.0
Interstitial, Infiltration Cellular, Mononuclear Cell	1	1	1	1	1		5 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	5
--------	---	---	---	---	---	----------

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		1	2	3	4	5	* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1	5 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

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X .. Lesion present A .. Autolysis precludes evaluation
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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		0	0	0	0	0	
0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5	
Alveolus, Infiltration Cellular, Mononuclear Cell	1	1	1			3	1.0
Interstitialium, Infiltration Cellular, Mononuclear Cell	1	1	1	1	1	5	1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	5	
Infiltration Cellular, Mononuclear Cell				1		1	1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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First Dose M/F: 02/18/03 / 02/18/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		7	7	7	7	7	
0.125 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		2	2	2	2	2	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5
Infiltration Cellular, Mononuclear Cell	1	1			1	3 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		7	7	7	7	7
0.125 G/KG	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		2	2	2	2	2
		5	5	5	5	5
		1	2	3	4	5
* TOTALS						

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		7	7	7	7	7	
0.25 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		3	3	3	3	3	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5	
Hepatodiaphragmatic Nodule		1			1		2 1.0
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1		5 1.0
Hepatocyte, Hypertrophy	1	1	1	1	1		5 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
0.25 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		3	3	3	3	3	
		5	5	5	5	5	
		1	2	3	4	5	
							* TOTALS

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+		+			3	
Hemorrhage	2	2						2 2.0
Infiltration Cellular, Mononuclear Cell				1				1 1.0
Alveolus, Infiltration Cellular, Mononuclear Cell	1	1						2 1.0
Interstitial, Infiltration Cellular, Mononuclear Cell	1	1						2 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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+ .. Tissue examined microscopically

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		7	7	7	7	7	
0.5 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5	
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1		5 1.0
Hepatocyte, Hypertrophy	1	1	1	1	1		5 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Uterus					+	1	
Endometrium, Hyperplasia, Cystic					3		1 3.0

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		7	7	7	7	7
0.5 G/KG	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		4	4	4	4	4
		5	5	5	5	5
		1	2	3	4	5
* TOTALS						

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20007 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/15/2016

Time Report Requested: 14:42:03

First Dose M/F: 02/18/03 / 02/18/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		7	7	7	7	7	
		7	7	7	7	7	
1.0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	5	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5	
Hepatodiaphragmatic Nodule		1					1 1.0
Infiltration Cellular, Mononuclear Cell	1	1		1	1		4 1.0
Hepatocyte, Hypertrophy	1	1	1	1	1		5 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		7	7	7	7	7
1.0 G/KG	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		5	5	5	5	5
		5	5	5	5	5
		1	2	3	4	5
* TOTALS						

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Date Report Requested: 09/15/2016

Time Report Requested: 14:42:03

First Dose M/F: 02/18/03 / 02/18/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	0	1	1	
		7	7	3	7	7	
2.0 G/KG	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		6	6	6	6	6	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	5	
Infiltration Cellular, Mononuclear Cell	1			1			2 1.0
Hepatocyte, Hypertrophy	1	1	1	1	1		5 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Lymph Node				+		1	
Hyperplasia, Lymphoid				2			1 2.0

INTEGUMENTARY SYSTEM

NONE

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I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20007 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/15/2016

Time Report Requested: 14:42:03

First Dose M/F: 02/18/03 / 02/18/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	0	1	1	
		7	7	3	7	7	
		0	0	0	0	0	
2.0 G/KG	ANIMAL ID	0	0	0	0	0	
		6	6	6	6	6	
		5	5	5	5	5	
		1	2	3	4	5	
* TOTALS							

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5	
Alveolus, Infiltration Cellular, Mononuclear Cell				1	1		2 1.0
Interstitial, Infiltration Cellular, Mononuclear Cell	1	1	1	1	1		5 1.0

SPECIAL SENSES SYSTEM

Eye				+	1	
Synechia				2		1 2.0
Iris, Inflammation				1		1 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	5
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*** END OF REPORT ***

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X .. Lesion present

I .. Insufficient tissue

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