

TABLE 9

Print No: 0014

Histopathology - group distribution of findings for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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ORGAN AND FINDING DESCRIPTION	--- NUMBER OF ANIMALS AFFECTED ---							
	SEX: -----MALE-----				-----FEMALE-----			
	GROUP: -1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER EXAMINED:	10	10	10	10	10	10	10	10
** TOP OF LIST **								
ADRENAL CTX	10	0	0	10	10	0	0	10
--CORTICAL FATTY VACUOLATION	1	0	0	3	0	0	0	0
CAECUM	10	0	0	10	10	10	10	10
--INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA	3	0	0	3	0	3	2	7 ^b
EPIDIDYMIDES	10	0	0	10	0	0	0	0
--SPERMATOCOELE	1	0	0	0	0	0	0	0
HEART, VENTRICLE	10	0	0	10	10	0	0	10
--CHRONIC MYOCARDITIS	0	0	0	1	0	0	0	0
KIDNEYS	10	0	0	10	10	0	0	10
--BASOPHILIC CORTICAL TUBULES	3	0	0	2	3	0	0	1
--INTERSTITIAL INFLAMMATORY INFILTRATION	3	0	0	2	0	0	0	0
--CORTICAL TUBULAR HYALINE DROPLETS	2	0	0	3	0	0	0	0
--CORTICO-MEDULLARY MINERALISATION	0	0	0	0	4	0	0	4
--DILATED CORTICAL TUBULES	0	0	0	0	2	0	0	0
--MEDULLARY MINERALISATION	0	0	0	0	1	0	0	1
--MEDULLARY CYST(S)	0	0	0	0	1	0	0	0
L N MANDIBULAR	10	0	1	10	10	0	0	10
--HAEMORRHAGE	0	0	0	0	0	0	0	1
LIVER X 5	10	0	0	10	10	0	0	10
--FOCI OF LEUCOCYTES WITHIN SINUSOIDS	1	0	0	4	2	0	0	3
LUNGS X 2	10	0	0	10	10	0	0	10
--ALVEOLAR HAEMORRHAGE	0	0	0	0	1	0	0	0
PANCREAS	10	0	0	10	10	0	0	10
--ACINAR ATROPHY WITH CHRONIC INFLAMMATION	0	0	0	0	1	0	0	0

Significant when compared with Group 1: b - p<0.01

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TABLE 9 - continued.

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Histopathology - group distribution of findings for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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ORGAN AND FINDING DESCRIPTION	NUMBER	--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
		SEX: -----MALE-----				-----FEMALE-----			
		GROUP: -1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
		10	10	10	10	10	10	10	10
PROSTATE NUMBER EXAMINED:	10	0	0	10	0	0	0	0	0
--LYMPHOCYTIC INFILTRATION	2	0	0	0	0	0	0	0	0
S. MUSCLE THIGH NUMBER EXAMINED:	10	0	0	10	10	0	0	10	10
--CHRONIC INFLAMMATION	0	0	0	1	0	0	0	0	0
SALIVARY GLANDS NUMBER EXAMINED:	10	0	0	10	10	0	0	10	10
--LYMPHOCYTIC INFILTRATION	0	0	0	0	0	0	0	0	1
TESTES NUMBER EXAMINED:	10	0	0	10	0	0	0	0	0
--SEMINAL TUBULAR EPITHELIAL ATROPHY	1	0	0	0	0	0	0	0	0
THYMUS NUMBER EXAMINED:	10	1	0	10	10	0	0	10	10
--LYMPHOCYTOLYSIS	6	1	0	2	4	0	0	3	3
--HAEMORRHAGE	3	1	0	2	0	0	0	0	0
THYROIDS NUMBER EXAMINED:	10	0	0	10	10	0	1	10	10
--ULTIMOBRANCHIAL CYST(S)	1	0	0	0	0	0	0	0	0
URINARY BLADDER NUMBER EXAMINED:	10	0	0	10	10	0	0	10	10
--PROTEINACEOUS PLUG	0	0	0	1	0	0	0	0	0
UTERUS NUMBER EXAMINED:	0	0	0	0	10	2	3	10	10
--DILATED	0	0	0	0	3	2	2	0	0
--ENDOMETRIAL GLAND HYPERPLASIA	0	0	0	0	0	0	1	1	1
--STROMAL HAEMORRHAGE	0	0	0	0	0	0	1	0	0
L N ILIAC MED. NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0
--TATTOO PIGMENT	0	0	0	0	0	1	0	0	0

** END OF LIST **

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0050

APPENDIX 1

Analysis of Enzyme preparation from *Aspergillus niger* (ARO-1) - certificates from the Sponsor.

The following two pages present the certificate of analysis before the commencement of treatment.

The following third page presents the certificate of analysis confirming the stability and integrity of the test material during the course of this programme of work.

CERTIFICATE OF ANALYSIS

name of the product : Enzyme preparation from *Aspergillus niger* ARO-1
batch no. : RER 710
GLP-archive no. : GLP-9708
status : ISO 9002
date of manufacture : July 1997
date of expiration : October 1999 (provisional)
active component(s) : pectinase, apiosidase, arabinofuranosidase, β -glucosidase, rhamnosidase
date of issue : 22 February 1999

analysis type	method no.	result	specification
1 Pectinase activity	CQA 4 005 00	31,600 A VJP/g	record
2 β -D-glucosidase activity	CQA 4 046 00	1750 BDG/g	record
3 Apiosidase activity	R+D 4483 3/10/94	498 nK/g	record
4 Arabinofuranosidase activity	CQA 4 054 00	14,800 ARF/g	record
5 Rhamnosidase activity	CQA 4 106 00	84 RHU/g	record
6 Chlorogenase activity	CQA 4 135 00	14.8 μ mol/h/g	record
7 Stability at 21°C during 48 hrs (50, 150 and 500 mg/ ml in water)	CQA 4 046 00	> 90%	record
8 Stability at 4°C during 15 days (50, 150 and 500 mg/ ml in water)	CQA 4 046 00	> 90%	record
9 Description	CQA 7 022 00	clear liquid	record
10 Colour	CQA 7 022 00	brown	record
11 Dry matter	60335	9.1% (w/w)	record
12 Ashes	60328	0.3% (w/w)	record
13 Total protein (N*6.25)	60055	5.1% (w/w)	record
14 Total carbohydrates	calculate	3.7% (w/w)	record
15 Total organic solids	SOP 869/E	8.8% (w/w)	record
16 Antifoam	W 0660.A	PEG: 15 mg/kg PPG: 46 mg/kg	record
17 Heavy metals (as Pb)	FCC IV	< 30 mg/kg	\leq 30 mg/kg

Study Manager

Release: yes / no

(b) (6)

date:

22-02-1999

CERTIFICATE OF ANALYSIS

name of the product : Enzyme preparation from *Aspergillus niger* ARO-1
 batch no. : RER 710
 GLP-archive no. : GLP-9708
 status : ISO 9002
 date of manufacture : July 1997
 date of expiration : October 1999 (provisional)
 active component(s) : pectinase, apiosidase, arabinofuranosidase, β -D-glucosidase, rhamnosidase
 date of issue : 22 February 1999

analysis type	method no.	result	specification
18 Lead	60401	< 5 mg/kg	\leq 5 mg/kg
19 Arsenic	61748	< 3 mg/kg	\leq 3 mg/kg
20 Cadmium	60988	< 0.5 mg/kg	\leq 0.5 mg/kg
21 Mercury	61748	< 0.5 mg/kg	\leq 0.5 mg/kg
22 Antimicrobial activity	69811	absent ¹	absent by test
23 Standard plate count	69814	< 5 CFU/g	< 10 ⁶ CFU/g
24 Coliforms	69817	< 10 CFU/g	< 30 CFU/g
25 Salmonella	69825	absent/25 g	absent by test
26 Escherichia coli	69849	absent/25 g	absent by test
27 <i>Staphylococcus aureus</i>	69803	absent/g	absent by test
28 Aflatoxin B1	71 3360.00	absent by test	absent by test
29 T2 toxin	71 3361.00	absent by test	absent by test
30 Ochratoxin A	71 3362.00	absent by test	absent by test
31 Zearalenone	71 3363.00	absent by test	absent by test

Study Manager

remark: ¹ one with \varnothing = 18 mm

Release: ~~yes~~ / ~~no~~

(b) (6)

date:

22-02-1999

REG/DO#36933

CERTIFICATE OF ANALYSIS

Reanalysis confirming the stability and integrity during the course of the toxicological experiments

Name of the product	Enzyme preparation from <i>Aspergillus niger</i> ARO-1		
Batch no.	RER 710		
Dossier no.	GLP-9708		
Status	ISO 9002		
Date of manufacture	July 1997		
Date of expiration	October 1999 (provisional)		
Active components	pectinase, apiosidase, arabinofuranosidase, β -D-glucosidase, rhamnosidase		
Date of issue	25 November 1999		
analysis type	method no.	dimension	result
β -D-glucosidase activity	CQA 4 046 00	BDG/g	1870
Standard plate count	MIP 9 004 00	CFU/g	< 1
Study Director:	(b) (6)		Remark: this issue cancels and replaces the 10 August 1999 one because the date of manufacture and the date of expiration were mentioned wrong
date:	25-11-1999		

APPENDIX 2

Print No: 0005

Signs - individual observations

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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ANIMAL NUMBER		DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: 1M	WEEKS 1-5
6	7	5		COAT HAIRLOSS DORSAL BODY SURFACE		3
7	7	5		COAT HAIRLOSS DORSAL BODY SURFACE		3
10	7	5		COAT HAIRLOSS DORSAL BODY SURFACE		2-3

APPENDIX 2 - continued.

Print No: 0005

Signs - individual observations

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
Page: 2

Schedule number: GSB 061

ANIMAL DEATH WK OF CATEGORY GROUP: 1F WEEKS 1-5
NUMBER CODE DEATH KEYWORD QUALIFIER

49 7 5 BEHAVIOUR
VOCALIZATION 4

Report 99 3953

0956

APPENDIX 2 - continued.

Print No: 0005

Signs - individual observations

Report 99 3953

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Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 3

Schedule number: GSB 061

			CATEGORY	GROUP: 2F		
ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD QUALIFIER	WEEKS 1-5		
58	7	5	EYES LARGE RIGHT	4		

APPENDIX 2 - continued.

Print No: 0005

Signs - individual observations

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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Schedule number: GSB 061

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ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: 3F	WEEKS 1-5
61	7	5	COAT HAIRLOSS HEAD		5
63	7	5	BUILD (DEFORMITY) PARTIALLY ABSENT APPENDAGE RIGHT PINNA COAT HAIRLOSS HEAD		2-5 4-5
70	7	5	COAT HAIRLOSS FORELIMBS		2-5

APPENDIX 3

Print No: 0006

Bodyweights - individual values (g)

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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Schedule number: GSB 061

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0059

GROUP	ANIMAL	WEEK 0	WEEK 1	WEEK 2	WEEK 3	WEEK 4
1M	1	191	250	302	342	367
	2	160	210	258	305	325
	3	188	240	288	335	362
	4	155	195	239	273	284
	5	155	196	239	279	294
	6	165	212	261	301	324
	7	176	230	278	316	342
	8	194	249	301	346	371
	9	170	224	270	302	324
	10	165	218	266	311	330
2M	11	170	220	263	309	338
	12	186	233	285	322	349
	13	176	233	291	347	370
	14	167	216	256	290	305
	15	195	253	306	356	381
	16	157	202	251	291	315
	17	178	230	274	315	333
	18	176	226	280	324	347
	19	160	212	261	303	320
	20	164	209	259	300	319

APPENDIX 3 - continued.

Print No: 0006

Bodyweights - individual values (g)

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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Schedule number: GSB 061

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GROUP	ANIMAL	WEEK 0	WEEK 1	WEEK 2	WEEK 3	WEEK 4
3M	21	191	238	286	324	348
	22	163	209	253	293	315
	23	182	231	280	318	337
	24	170	225	284	333	361
	25	175	229	275	323	337
	26	171	225	275	313	338
	27	158	204	244	282	310
	28	179	225	279	322	353
	29	173	222	270	312	332
	30	193	252	306	351	372
4M	31	172	208	239	267	284
	32	180	229	280	326	353
	33	166	221	270	311	335
	34	154	201	242	281	298
	35	161	205	249	291	307
	36	189	246	301	344	365
	37	171	214	258	294	312
	38	180	222	265	301	323
	39	174	234	303	365	401
	40	180	236	283	324	356

APPENDIX 3 - continued.

Print No: 0006

Bodyweights - individual values (g)

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	WEEK 0	WEEK 1	WEEK 2	WEEK 3	WEEK 4
1F	41	165	183	203	216	235
	42	171	200	231	249	255
	43	159	182	198	218	226
	44	162	203	218	235	251
	45	177	194	228	248	256
	46	175	192	228	250	262
	47	160	182	208	227	233
	48	168	177	198	217	221
	49	172	183	195	204	221
	50	186	222	246	257	279
2F	51	155	172	190	199	202
	52	172	189	212	228	234
	53	173	188	203	217	233
	54	168	185	209	224	229
	55	162	194	218	240	253
	56	182	193	219	233	247
	57	172	197	216	223	238
	58	177	203	230	242	263
	59	165	176	211	230	250
	60	180	194	220	232	246

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APPENDIX 3 - continued.

Print No: 0006

Bodyweights - individual values (g)

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	WEEK 0	WEEK 1	WEEK 2	WEEK 3	WEEK 4
3F	61	172	198	221	241	244
	62	161	165	184	200	209
	63	180	197	221	232	241
	64	160	183	205	215	218
	65	172	191	216	228	242
	66	168	183	207	223	240
	67	163	182	203	218	219
	68	172	194	226	244	249
	69	174	187	204	221	235
	70	172	193	224	250	265
4F	71	144	161	189	207	222
	72	164	177	209	226	237
	73	182	198	228	233	244
	74	166	188	214	227	238
	75	169	189	214	224	235
	76	175	192	225	242	252
	77	185	213	236	256	264
	78	177	197	214	224	235
	79	171	193	215	227	231
	80	179	197	218	235	241

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APPENDIX 4

Print No: 0007

Food consumption - individual values (g/animal)

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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Schedule number: GSB 061

GROUP	CAGE	WEEK 1	WEEK 2	WEEK 3	WEEK 4
1M	1	183	194	191	176
	2	195	197	193	182
2M	3	191	200	196	181
	4	179	187	194	172
3M	5	189	199	203	178
	6	196	200	206	192
4M	7	184	191	196	172
	8	196	206	214	193
1F	9	140	145	151	146
	10	142	146	154	149
2F	11	128	131	136	131
	12	141	143	140	143
3F	13	134	138	134	135
	14	138	145	152	149
4F	15	128	135	134	135
	16	141	145	148	148

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APPENDIX 5A

Ophthalmoscopy - individual observations before commencement of treatment

Group : 1 2 3 4
 Compound : Control ----- *Aspergillus niger* (ARO-1) -----
 Dosage (mg/kg/day) : 0 500 1500 5000

Structure	Observations	Group and sex							
		1M	2M	3M	4M	1F	2F	3F	4F
Cornea	Superficial opacity				38L	47L			78R
Iris	Persistent pupillary membrane with focal anterior synechia			21L					
Lens	Anterior suture line opacity								78L
	Arcuate opacity							69L	
	Nuclear opacity		12R		35 39R				
Vitreous	Localised haemorrhage							62L	
Number of animals examined:		10	10	10	10	10	10	10	10

L Left
 R Right.

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APPENDIX 5B

Ophthalmoscopy - individual observations during Week 4 of treatment

Group : 1 2 3 4
 Compound : Control ----- *Aspergillus niger* (ARO-1) -----
 Dosage (mg/kg/day) : 0 500 1500 5000

Structure	Observations	Group and sex			
		1M	4M	1F	4F
Conjunctiva	Slightly prominent aqueous vein				71L
Cornea	Superficial opacity		36L 38L	46 47L	78R 80L
Iris	Free blood vessel loop			46R	
Lens	Arcuate opacity Nuclear opacity	10R	39R	42L	
Number of animals examined:		10	10	10	10

L Left
 R Right.

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0065

APPENDIX 6

Haematology - individual values during Week 4/5 of treatment

Group		1	2	3	4							
Compound		Control	---- <i>Aspergillus niger</i> (ARO-1) ----									
Dosage (mg/kg/day)		0	500	1500	5000							
Group	Animal	Hct	Hb	RBC	MCH	MCHC	MCV	WBC	Neutr ophil	Lymph ocyte		
		L/L	g/dL	x10 ⁻¹² /L	pg	g/dL	fL	x10 ⁻⁹ /L	x10 ⁻⁹ /L	x10 ⁻⁹ /L		
1M	1	0.465	15.6	7.42	21.0	33.5	62.7	14.22	2.11	11.25		
	2	0.459	15.3	7.53	20.4	33.4	60.9	9.41	1.12	7.96		
	3b	0.435	14.8	7.33	20.2	34.0	59.3	12.19	1.30	10.25		
	4	0.434	14.7	7.48	19.7	34.0	58.0	11.72	0.64	10.27		
	5	0.466	15.6	7.98	19.6	33.6	58.3	11.67	2.13	8.91		
	6	0.453	15.2	7.37	20.7	33.6	61.5	13.19	1.84	10.50		
	7	0.446	15.2	7.60	20.0	34.1	58.7	10.76	1.18	9.01		
	8	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	
	9	0.419	13.8	7.39	18.7	33.1	56.6	10.30	1.70	8.06		
	10	0.423	14.4	7.30	19.7	33.9	58.0	14.71	1.77	12.14		
2M	11 ^a	0.418	13.8	7.27	19.0	33.1	57.5	9.06	0.80	7.88		
	12	0.413	13.8	7.19	19.2	33.4	57.4	11.31	1.16	9.43		
	13	0.433	14.3	7.35	19.4	32.9	58.9	9.08	0.88	7.79		
	14	0.461	15.5	7.70	20.2	33.7	59.9	10.76	1.40	8.72		
	15	0.425	14.2	7.52	18.9	33.3	56.5	22.47	3.48	17.28		
	16	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	
	17	0.438	14.8	7.32	20.2	33.8	59.8	10.56	1.28	8.61		
	18	0.448	14.7	7.41	19.9	32.9	60.5	12.71	1.35	10.57		
	19 ^{a b}	0.438	14.5	7.01	20.7	33.2	62.5	10.37	1.16	8.64		
	20	0.419	14.0	7.17	19.6	33.5	58.5	8.12	0.85	6.84		

a = slight hypochromasia, b = slight polychromasia

CTD Clotted sample

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APPENDIX 6 - continued

Haematology - individual values during Week 4/5 of treatment

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0067

Group	Animal	I Control Dosage (mg/kg/day)	2 500	3 1500	4 5000	Eosin ophils x10 ⁻⁹ /L	Baso phil x10 ⁻⁹ /L	Mono cyte x10 ⁻⁹ /L	LUC x10 ⁻⁹ /L	Plt x10 ⁹ /L	PT sec	APTT sec
1M	1		0.13	0.05	0.38	0.30	1065	12.0	14.9			
	2		0.07	0.02	0.15	0.09	810	11.7	11.4			
	3 ^b		0.23	0.04	0.22	0.15	961	12.8	18.2			
	4		0.08	0.04	0.43	0.26	1102	12.0	21.4			
	5		0.09	0.02	0.27	0.24	1148	12.1	17.9			
	6		0.15	0.05	0.37	0.28	1182	12.1	17.9			
	7		0.09	0.02	0.23	0.22	1102	11.5	18.2			
	8		CTD	CTD	CTD	CTD	CTD	13.2	18.7			
	9		0.14	0.03	0.18	0.20	922	12.4	14.7			
	10		0.09	0.05	0.32	0.33	1209	13.0	17.2			
2M	11 ^a		0.05	0.02	0.17	0.14	1451	12.4	NVR			
	12		0.06	0.03	0.39	0.22	1290	11.8	13.4			
	13		0.04	0.03	0.19	0.15	1102	12.9	19.7			
	14		0.12	0.04	0.31	0.17	912	11.4	NVR			
	15		0.13	0.13	0.98	0.47	640	11.8	10.9			
	16		CTD	CTD	CTD	CTD	CTD	12.1	18.7			
	17		0.11	0.03	0.26	0.28	1053	11.8	10.9			
	18		0.09	0.05	0.47	0.19	1168	12.6	14.4			
	19 ^{a b}		0.10	0.04	0.26	0.16	1057	12.6	12.7			
	20		0.06	0.03	0.22	0.12	1064	10.9	NVR			

a = slight hypochromasia, b = slight polychromasia

CTD Clotted sample

NVR No valid result

APPENDIX 6 - continued

Haematology - individual values during Week 4/5 of treatment

Group		1	2	3	4					
Compound		Control	----- <i>Aspergillus niger</i> (ARO-1) -----							
Dosage (mg/kg/day)		0	500	1500	5000					
Group	Animal	Hct	Hb	RBC	MCH	MCHC	MCV	WBC	Neutr ophil	Lymph ocyte
		L/L	g/dL	x10 ⁻¹² /L	pg	g/dL	fL	x10 ⁻⁹ /L	x10 ⁻⁹ /L	x10 ⁻⁹ /L
3M	21	0.428	14.6	7.18	20.3	34.1	59.6	12.83	2.19	9.61
	22	0.421	14.0	7.12	19.7	33.3	59.1	12.40	1.23	10.63
	23	0.449	15.2	7.72	19.6	33.7	58.2	13.50	1.41	11.62
	24	0.408	13.7	6.71	20.4	33.6	60.7	12.02	1.31	10.11
	25	0.421	14.0	6.82	20.6	33.3	61.7	9.22	0.68	8.09
	26	0.456	15.1	7.73	19.5	33.0	59.0	9.51	0.84	8.26
	27 ^a	0.431	14.6	7.14	20.5	33.9	60.3	10.24	1.22	8.55
	28	0.440	14.6	7.37	19.8	33.2	59.7	13.01	1.19	10.78
	29 ^a	0.415	14.2	7.33	19.4	34.3	56.6	17.04	1.56	14.63
	30	0.446	14.7	7.60	19.3	32.9	58.7	10.68	1.17	8.91
4M	31	0.440	14.9	7.74	19.3	33.9	56.8	8.84	1.69	6.58
	32	0.455	15.1	7.66	19.6	33.1	59.4	10.50	0.83	9.10
	33	0.448	14.7	7.51	19.6	32.8	59.7	8.44	1.52	6.36
	34	0.456	15.1	7.72	19.6	33.1	59.0	10.30	1.27	8.42
	35	0.491	15.9	8.09	19.6	32.4	60.7	13.61	1.09	11.43
	36	0.411	13.7	6.73	20.3	33.2	61.1	9.95	1.01	8.35
	37	0.438	15.0	7.58	19.8	34.3	57.8	10.84	1.17	9.19
	38	0.438	14.8	7.54	19.6	33.8	58.1	13.18	2.79	9.64
	39 ^{a b}	0.422	14.2	6.65	21.4	33.7	63.5	7.37	1.33	5.53
	40 ^a	0.429	14.2	7.20	19.7	33.0	59.5	14.09	1.53	11.92

a = slight hypochromasia, b = slight polychromasia

Report 99 3953

0068

APPENDIX 6 - continued

Hacmatology - individual values during Week 4/5 of treatment

Group : 1 2 3 4
 Compound : Control ----- *Aspergillus niger* (ARO-1) -----
 Dosage (mg/kg/day) : 0 500 1500 5000

Report 99 3953

0069

Group	Animal	Eosinophil x10 ⁻⁹ /L	Basophil x10 ⁻⁹ /L	Monoocyte x10 ⁻⁹ /L	LUC x10 ⁻⁹ /L	Plt x10 ⁻⁹ /L	PT sec	APTT sec
3M	21	0.15	0.05	0.63	0.21	797	11.3	11.2
	22	0.16	0.03	0.17	0.17	1007	11.8	17.4
	23	0.06	0.05	0.17	0.18	1338	12.0	14.4
	24	0.05	0.04	0.30	0.20	1075	12.4	11.9
	25	0.05	0.03	0.21	0.15	1085	11.7	NVR
	26	0.03	0.02	0.25	0.11	1000	12.6	14.9
	27 a	0.09	0.03	0.19	0.16	1155	CTD	CTD
	28	0.13	0.05	0.59	0.28	1255	11.3	16.4
	29 a	0.12	0.08	0.33	0.32	1235	11.8	15.2
	30	0.07	0.05	0.22	0.26	1127	12.0	17.9
4M	31	0.06	0.02	0.29	0.20	912	12.1	18.2
	32	0.08	0.04	0.27	0.18	1037	12.1	13.9
	33	0.08	0.02	0.27	0.19	1331	12.3	19.2
	34	0.11	0.03	0.32	0.15	1182	12.6	21.2
	35	0.06	0.05	0.59	0.39	1141	12.0	16.4
	36	0.06	0.03	0.36	0.15	1131	12.0	15.2
	37	0.06	0.04	0.24	0.14	1188	CTD	CTD
	38	0.10	0.04	0.40	0.21	1299	12.4	15.9
	39 ab	0.07	0.01	0.24	0.19	921	11.4	11.2
	40 a	0.09	0.05	0.27	0.22	927	12.6	13.2

a = slight hypochromasia, b = slight polychromasia

CTD Clotted sample

APPENDIX 6 - continued

Haematology - individual values during Week 4/5 of treatment

Group	Animal	Hct	Hb	RBC	MCH	MCHC	MCV	WBC	Neutr ophil	Lymph ocyte	
		L/L	g/dL	x10-12/L	pg	g/dL	fL	x10-9/L	x10-9/L	x10-9/L	
1F	41 ^a	0.389	12.5	6.59	19.0	32.1	59.1	6.24	0.93	4.86	
	42	0.387	13.3	6.48	20.6	34.4	59.8	10.19	0.87	8.74	
	43 ^a	0.375	12.9	6.20	20.9	34.5	60.4	7.49	1.09	5.94	
	44 ^a	0.374	12.7	6.22	20.5	34.1	60.1	8.09	0.71	6.74	
	45	0.368	12.5	6.30	19.9	34.0	58.4	9.81	1.19	8.00	
	46	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD
	47	0.390	13.3	6.41	20.7	34.0	60.8	10.63	2.79	7.31	
	48 ^a	0.409	14.0	6.84	20.4	34.1	59.8	6.49	2.53	3.59	
	49	0.383	13.1	6.71	19.5	34.2	57.1	7.67	2.24	4.98	
	50	0.369	12.4	6.06	20.5	33.7	60.8	10.71	1.09	8.90	
2F	51	0.386	13.1	6.33	20.8	34.0	61.1	7.82	1.91	5.43	
	52	0.388	13.3	6.87	19.3	34.2	56.5	13.20	3.21	9.28	
	53	0.412	13.4	6.90	19.4	32.6	59.7	7.25	1.90	4.97	
	54	0.404	13.7	6.72	20.4	34.0	60.2	6.67	1.19	5.10	
	55 ^a	0.403	13.4	6.82	19.6	33.1	59.1	5.88	1.76	3.70	
	56 ^a	0.383	12.8	6.64	19.3	33.4	57.7	8.16	1.43	6.11	
	57	0.380	13.0	6.48	20.0	34.2	58.6	9.84	0.96	8.49	
	58	0.375	12.7	6.08	20.9	33.9	61.8	12.78	1.50	10.61	
	59 ^a	0.371	12.4	6.11	20.3	33.4	60.7	17.76	1.95	14.94	
	60 ^a	0.383	13.0	6.47	20.2	34.0	59.2	13.51	1.24	11.51	

^a = slight hypochromasia

CTD Clotted sample

Report 99 3953

0070

APPENDIX 6 - continued

Hacmatology - individual values during Week 4/5 of treatment

Report 99 3953

0071

Group		1	2	3	4				
Compound		Control	----- <i>Aspergillus niger</i> (ARO-1) -----						
Dosage (mg/kg/day)		0	500	1500	5000				
Group	Animal	Eosinophil x10-9/L	Basophil x10-9/L	Monoocyte x10-9/L	LUC x10-9/L	Plt x10-9/L	PT sec	APTT sec	
1F	41 a	0.14	0.01	0.17	0.13	1227	13.0	15.7	
	42	0.13	0.02	0.26	0.17	1095	13.3	16.2	
	43 a	0.13	0.01	0.18	0.13	984	13.3	15.4	
	44 a	0.21	0.02	0.24	0.17	1123	13.9	18.9	
	45	0.13	0.02	0.30	0.17	1056	13.6	19.2	
	46	CTD	CTD	CTD	CTD	CTD	12.9	14.9	
	47	0.16	0.02	0.23	0.11	1207	13.0	14.4	
	48 a	0.09	0.02	0.17	0.09	964	13.8	16.9	
	49	0.17	0.01	0.15	0.12	1163	13.9	17.2	
	50	0.14	0.04	0.33	0.22	1199	13.5	16.7	
2F	51	0.07	0.01	0.24	0.15	1209	13.5	13.9	
	52	0.08	0.03	0.36	0.25	1249	13.9	15.9	
	53	0.13	0.02	0.13	0.10	1037	13.8	17.9	
	54	0.11	0.01	0.15	0.11	1138	CTD	CTD	
	55 a	0.12	0.02	0.18	0.10	1203	13.8	13.2	
	56 a	0.14	0.03	0.31	0.14	1089	13.9	11.2	
	57	0.09	0.03	0.16	0.11	982	13.0	11.2	
	58	0.12	0.05	0.29	0.21	1079	CTD	CTD	
	59 a	0.16	0.07	0.40	0.23	1211	13.9	13.9	
	60 a	0.19	0.04	0.32	0.22	1358	13.9	14.9	

a = slight hypochromasia

CTD Clotted sample

APPENDIX 6 - continued

Haematology - individual values during Week 4/5 of treatment

Group	1	2	3	4							
Compound	Control	----- <i>Aspergillus niger</i> (ARO-1) -----									
Dosage (mg/kg/day)	0	500	1500	5000							
Group	Animal	Hct	Hb	RBC	MCH	MCHC	MCV	WBC	Neutr ophil	Lymph ocyte	
		L/L	g/dL	x10-12/L	pg	g/dL	fL	x10-9/L	x10-9/L	x10-9/L	
3F	61	0.392	13.6	6.79	20.0	34.6	57.8	15.24	1.62	12.63	
	62	0.380	12.6	6.74	18.7	33.1	56.4	10.85	1.98	8.08	
	63	0.398	13.3	7.05	18.9	33.5	56.4	16.15	3.40	11.43	
	64	0.379	13.0	6.44	20.2	34.3	58.8	9.18	1.93	6.88	
	65	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD
	66 a	0.375	12.8	6.58	19.4	34.1	57.0	11.92	1.52	9.68	
	67	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD	CTD
	68	0.372	12.7	6.19	20.4	34.0	60.0	13.21	1.14	11.37	
	69	0.376	12.9	6.54	19.8	34.4	57.4	10.23	1.21	8.09	
	70	0.410	13.9	6.66	20.9	33.9	61.6	12.95	1.34	10.75	
4F	71	0.399	13.4	6.72	19.9	33.6	59.3	9.82	1.36	7.89	
	72	0.376	12.7	6.37	19.9	33.7	59.1	8.99	1.65	6.94	
	73	0.377	12.8	6.39	20.1	34.0	59.1	8.26	1.16	6.69	
	74	0.385	13.3	6.82	19.5	34.5	56.5	8.22	1.06	6.84	
	75	0.375	12.6	6.09	20.7	33.5	61.6	7.98	0.93	6.75	
	76 a	0.359	12.2	6.04	20.1	33.9	59.4	11.04	1.79	8.68	
	77	0.384	12.9	6.83	18.9	33.6	56.3	8.22	0.78	7.24	
	78	0.374	12.5	6.31	19.9	33.5	59.3	12.31	1.74	9.99	
	79	0.395	13.6	7.20	18.8	34.3	54.9	14.25	2.49	11.09	
	80	0.388	13.3	6.64	20.0	34.2	58.4	9.16	1.32	7.33	

a = slight hypochromasia

CTD Clotted sample

Report 99 3953

0072

APPENDIX 6 - continued

Haematology - individual values during Week 4/5 of treatment

Group : 1 2 3 4
 Compound : Control ----- *Aspergillus niger* (ARO-1) -----
 Dosage (mg/kg/day) : 0 500 1500 5000

Report 99 3953

0073

Group	Animal	Eosinophil x10-9/L	Basophil x10-9/L	Monoocyte x10-9/L	LUC x10-9/L	Plt x10-9/L	PT sec	APTT sec
3F	61	0.21	0.06	0.50	0.22	1176	14.1	16.7
	62	0.24	0.03	0.35	0.18	944	13.9	16.9
	63	0.33	0.06	0.59	0.35	1052	12.4	NVR
	64	0.08	0.02	0.17	0.10	1132	14.1	13.9
	65	CTD	CTD	CTD	CTD	CTD	14.1	13.2
	66 a	0.28	0.05	0.20	0.20	1156	13.0	NVR
	67	CTD	CTD	CTD	CTD	CTD	15.6	19.4
	68	0.12	0.04	0.38	0.16	1078	14.3	11.4
	69	0.21	0.03	0.44	0.25	905	15.0	13.9
	70	0.18	0.05	0.39	0.24	1103	15.3	16.9
4F	71	0.17	0.03	0.26	0.10	1215	13.2	16.2
	72	0.07	0.01	0.21	0.11	1435	13.8	17.2
	73	0.15	0.01	0.13	0.12	1249	14.1	17.7
	74	0.12	0.01	0.11	0.08	1141	12.8	13.7
	75	0.07	0.01	0.09	0.12	1092	14.3	16.2
	76 a	0.20	0.02	0.18	0.17	1434	15.1	14.4
	77	0.05	0.01	0.07	0.06	1168	13.2	18.4
	78	0.20	0.05	0.16	0.17	1337	14.1	16.2
	79	0.18	0.06	0.24	0.20	1036	13.5	15.2
	80	0.13	0.03	0.20	0.16	1304	13.8	17.4

a = slight hypochromasia

CTD Clotted sample

NVR No valid result

APPENDIX 7

Blood Chemistry - individual values during Week 4 of treatment

Report 99 3953

0074

Group	1	2	3	4							
Compound	Control	---- <i>Aspergillus niger</i> (ARO-1) ----									
Dosage (mg/kg/day)	0	500	1500	5000							
Group	Animal	Alk. Phos U/L	ALT U/L	AST U/L	gGT U/L	OCT U/L	Bili. Total umol/L	Urea mmol/L	Creat umol/L	Gluc mmol/L	
1M	1	211	43	88	0	5.9	0	4.66	46	4.57	
	2	197	40	92	0	4.8	0	4.43	49	5.29	
	3	205	48	93	0	6.5	0	2.96	41	4.46	
	4	208	40	79	1	5.9	0	4.11	40	6.15	
	5	217	45	87	1	5.7	0	4.83	43	5.27	
	6	233	46	84	0	5.3	0	4.27	41	4.99	
	7	194	34	82	0	6.0	0	4.46	43	5.84	
	8	208	35	103	0	3.6	0	4.49	44	5.46	
	9	172	34	86	0	5.1	0	3.56	44	5.18	
	10	190	33	84	1	5.0	0	4.98	46	5.81	
2M	11	162	40	79	0	5.4	0	3.85	40	5.31	
	12	250	47	90	0	5.3	0	4.68	47	5.15	
	13	218	30	71	0	4.2	0	4.73	44	5.92	
	14	191	34	87	1	4.7	0	4.55	40	5.10	
	15	206	47	92	1	5.1	0	4.21	45	5.28	
	16	289	49	99	1	5.9	1	4.62	40	4.35	
	17	269	42	82	1	5.7	0	3.47	38	5.23	
	18	199	55	93	1	4.4	0	5.05	44	6.08	
	19	209	45	66	2	6.5	0	5.26	42	5.60	
	20	255	39	82	1	5.4	0	4.32	46	5.64	

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group	1	2	3	4
Compound	Control	----- <i>Aspergillus niger</i> (ARO-1) -----		
Dosage (mg/kg/day)	0	500	1500	5000

Report 99 3953

0076

Group	Animal	A/G Ratio
1M	1	1.63
	2	2.00
	3	1.77
	4	2.00
	5	1.86
	6	2.11
	7	1.65
	8	1.54
	9	1.81
	10	1.95
2M	11	1.71
	12	1.90
	13	1.86
	14	1.86
	15	1.81
	16	1.90
	17	1.95
	18	2.05
	19	2.11
	20	2.00

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group : 1 2 3 4
 Compound : Control ----- *Aspergillus niger* (ARO-1) -----
 Dosage (mg/kg/day) : 0 500 1500 5000

Report 99 3953

0077

Group	Animal	Alk. Phos U/L	ALT U/L	AST U/L	gGT U/L	OCT U/L	Bili. Total umol/L	Urea mmol/L	Creat umol/L	Gluc mmol/L
3M	21	221	41	83	0	6.5	0	3.71	46	4.90
	22	201	54	86	1	4.8	0	4.86	48	5.19
	23	186	44	101	1	5.3	0	4.20	44	6.97
	24	240	46	94	1	5.9	0	3.63	39	4.90
	25	206	42	98	0	5.6	1	3.86	40	6.04
	26	200	27	70	0	5.4	0	5.85	44	6.39
	27	210	34	74	1	5.4	0	5.09	43	4.80
	28	241	50	85	2	6.2	0	4.19	40	6.38
	29	151	42	87	0	5.7	0	4.20	44	5.64
	30	185	33	80	0	7.2	0	4.78	45	5.85
4M	31	246	49	82	0	3.8	0	4.77	40	6.20
	32	224	42	80	1	5.0	0	4.00	45	5.22
	33	270	46	98	0	3.6	0	5.01	44	6.01
	34	259	47	99	1	4.7	0	4.46	49	4.44
	35	213	36	73	1	6.2	0	4.49	44	6.35
	36	190	32	72	0	6.3	0	4.61	44	6.71
	37	163	42	95	0	6.2	0	4.93	45	5.42
	38	183	39	86	1	7.7	0	5.39	43	6.51
	39	187	47	81	1	5.1	0	4.18	42	5.17
	40	200	33	78	1	4.4	0	5.00	45	5.88

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group : 1 2 3 4
 Compound : Control ----- *Aspergillus niger* (ARO-1) -----
 Dosage (mg/kg/day) : 0 500 1500 5000

Report 99 3953

0078

Group	Animal	Chol Total mmol/L	Trig mmol/L	Na mmol/L	K mmol/L	Cl mmol/L	Ca Total mmol/L	Phos mmol/L	Total Prot g/L	Alb g/L
3M	21	2.55	0.57	144	3.9	107	2.37	2.72	60	39
	22	2.76	0.64	141	3.8	107	2.47	2.70	61	40
	23	2.39	1.05	141	4.2	103	2.51	2.51	62	40
	24	2.81	1.28	141	4.0	103	2.44	2.83	58	38
	25	2.00	0.98	140	4.2	108	2.52	2.81	55	36
	26	2.53	1.23	143	4.0	106	2.39	2.57	59	38
	27	2.05	0.72	144	3.6	108	2.40	2.72	57	37
	28	1.74	0.70	140	4.1	103	2.43	2.63	57	37
	29	1.57	0.82	142	3.8	107	2.32	2.53	56	37
	30	2.33	0.72	142	3.9	108	2.40	2.60	57	37
4M	31	1.89	0.71	139	4.0	102	2.59	2.43	62	40
	32	1.91	1.04	143	3.9	105	2.55	2.73	61	37
	33	2.33	0.78	144	3.8	105	2.51	2.61	59	38
	34	2.00	0.60	143	3.9	107	2.55	2.94	60	38
	35	1.80	0.94	143	4.0	104	2.57	2.85	62	39
	36	2.18	1.18	142	3.9	105	2.44	2.88	57	38
	37	1.69	0.65	142	3.3	107	2.47	2.51	57	35
	38	2.24	1.01	141	4.1	106	2.57	2.84	60	38
	39	2.11	0.97	142	3.9	104	2.58	2.83	58	38
	40	2.45	0.55	142	4.0	106	2.48	2.70	55	34

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group	:	1	2	3	4
Compound	:	Control	----- <i>Aspergillus niger</i> (ARO-1) -----		
Dosage (mg/kg/day)	:	0	500	1500	5000

Report 99 3953

0079

Group	Animal	A/G Ratio
3M	21	1.86
	22	1.90
	23	1.82
	24	1.90
	25	1.89
	26	1.81
	27	1.85
	28	1.85
	29	1.95
	30	1.85
4M	31	1.82
	32	1.54
	33	1.81
	34	1.73
	35	1.70
	36	2.00
	37	1.59
	38	1.73
	39	1.90
	40	1.62

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group		1	2	3	4						
Compound		Control	----- <i>Aspergillus niger</i> (ARO-1) -----								
Dosage (mg/kg/day)		0	500	1500	5000						
Group	Animal	Alk. Phos U/L	ALT U/L	AST U/L	gGT U/L	OCT U/L	Bili. Total umol/L	Urea mmol/L	Creat umol/L	Gluc mmol/L	
1F	41	172	38	86	0	4.5	0	5.16	46	5.62	
	42	165	42	86	0	5.4	0	5.87	48	5.82	
	43	136	32	89	1	7.3	0	5.26	46	5.72	
	44	188	32	90	0	5.7	0	5.81	53	5.20	
	45	127	32	70	0	6.9	0	5.99	55	5.98	
	46	163	29	85	1	7.7	0	7.34	50	5.29	
	47	141	30	87	0	7.7	0	5.20	50	5.72	
	48	123	38	86	0	5.4	0	5.67	50	5.10	
	49	187	32	102	0	5.2	0	4.75	52	4.56	
	50	127	25	74	0	5.2	0	5.05	49	4.85	
2F	51	126	41	89	0	8.0	0	5.87	43	5.34	
	52	134	44	85	0	4.8	0	5.48	44	6.01	
	53	111	33	99	0	5.5	0	6.33	46	5.32	
	54	98	37	80	0	4.3	0	7.08	49	7.26	
	55	111	37	79	0	4.9	0	8.58	50	5.46	
	56	149	27	89	1	6.9	0	5.42	49	5.63	
	57	141	36	76	0	8.9	0	6.56	51	6.56	
	58	151	32	95	0	7.2	0	6.48	55	6.30	
	59	138	30	83	0	8.6	0	6.31	53	5.80	
	60	81	26	74	0	6.3	0	7.84	59	6.83	

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0080

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group	1	2	3	4
Compound	Control	----- <i>Aspergillus niger</i> (ARO-1) -----		
Dosage (mg/kg/day)	0	500	1500	5000

Group	Animal	Chol Total mmol/L	Trig mmol/L	Na mmol/L	K mmol/L	Cl mmol/L	Ca Total mmol/L	Phos mmol/L	Total Prot g/L	Alb g/L
1F	41	1.75	0.38	142	3.2	107	2.55	2.51	60	41
	42	2.90	0.48	141	3.2	106	2.60	2.49	64	42
	43	2.19	0.25	142	3.1	107	2.50	2.40	63	42
	44	2.45	0.55	141	3.4	106	2.59	2.27	62	43
	45	2.26	0.45	141	3.2	108	2.50	1.95	64	45
	46	2.45	0.33	139	3.4	105	2.46	2.22	61	40
	47	2.90	0.46	142	3.0	107	2.44	2.20	59	41
	48	1.73	0.55	141	3.4	107	2.54	2.39	63	43
	49	2.50	0.31	141	3.4	107	2.50	2.16	62	39
	50	2.09	0.37	140	3.4	107	2.59	2.37	62	40
2F	51	2.13	0.47	143	3.3	107	2.48	2.49	57	41
	52	2.19	0.50	143	3.2	105	2.58	2.13	65	45
	53	2.84	0.54	142	3.8	107	2.59	2.20	63	44
	54	2.12	0.39	142	3.5	106	2.49	2.23	60	41
	55	2.68	0.55	142	4.0	106	2.67	2.56	65	44
	56	2.23	0.59	141	3.4	105	2.49	2.16	60	41
	57	2.78	0.55	141	3.7	106	2.54	2.25	61	43
	58	1.97	0.49	145	3.7	109	2.55	1.95	61	42
	59	2.27	0.37	142	3.4	108	2.52	2.14	62	43
	60	2.91	0.56	141	3.6	106	2.52	1.87	65	45

Report 99 3953

0081

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group	1	2	3	4
Compound	Control	----- <i>Aspergillus niger</i> (ARO-1) -----		
Dosage (mg/kg/day)	0	500	1500	5000
Group	Animal	A/G Ratio		
1F	41	2.16		
	42	1.91		
	43	2.00		
	44	2.26		
	45	2.37		
	46	1.90		
	47	2.28		
	48	2.15		
	49	1.70		
	50	1.82		
2F	51	2.56		
	52	2.25		
	53	2.32		
	54	2.16		
	55	2.10		
	56	2.16		
	57	2.39		
	58	2.21		
	59	2.26		
	60	2.25		

Report 99 3953

0082

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Report 99 3953

0083

Group		1	2	3	4						
Compound		Control	----- <i>Aspergillus niger</i> (ARO-1) -----								
Dosage (mg/kg/day)		0	500	1500	5000						
Group	Animal	Alk. Phos U/L	ALT U/L	AST U/L	gGT U/L	OCT U/L	Bili. Total umol/L	Urea mmol/L	Creat umol/L	Gluc mmol/L	
3F	61	141	63	85	0	6.0	0	4.75	44	5.90	
	62	153	62	105	0	5.7	0	6.19	49	5.24	
	63	175	36	131	0	6.0	0	5.61	52	6.63	
	64	117	27	79	0	5.1	0	5.92	46	6.35	
	65	174	32	82	0	5.1	0	5.45	50	5.33	
	66	120	25	68	0	4.5	0	5.98	48	6.24	
	67	131	33	84	1	5.4	0	6.26	48	6.91	
	68	88	27	108	0	4.9	0	6.32	52	6.00	
	69	147	38	102	1	6.6	0	6.73	53	5.44	
	70	181	29	72	0	6.1	0	5.01	50	5.77	
4F	71	129	32	103	0	5.8	0	4.22	49	5.80	
	72	106	47	99	0	3.9	0	5.18	52	5.83	
	73	116	42	80	0	5.5	0	4.29	48	4.65	
	74	119	27	83	1	4.5	0	5.08	46	5.72	
	75	150	34	78	0	6.9	0	6.64	51	5.42	
	76	111	44	80	0	7.0	0	6.41	49	6.74	
	77	143	37	100	0	7.6	0	4.79	49	5.35	
	78	141	32	76	0	7.2	0	6.30	46	5.68	
	79	188	46	103	0	6.1	0	4.74	51	5.29	
	80	89	37	85	1	5.7	0	4.12	46	5.63	

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group	:	1	2	3	4						
Compound	:	Control	----- <i>Aspergillus niger</i> (ARO-1) -----								
Dosage (mg/kg/day)	:	0	500	1500	5000						
Group	Animal	Chol Total mmol/L	Trig mmol/L	Na mmol/L	K mmol/L	Cl mmol/L	Ca Total mmol/L	Phos mmol/L	Total Prot g/L	Alb g/L	
3F	61	2.68	0.75	143	3.4	107	2.48	2.14	64	45	
	62	2.23	0.52	142	3.6	107	2.57	2.27	66	47	
	63	2.01	0.71	142	4.3	109	2.46	2.43	64	46	
	64	2.11	0.42	144	3.1	109	2.49	2.16	61	44	
	65	2.68	0.63	140	3.4	106	2.63	2.36	63	44	
	66	2.41	0.44	140	3.7	105	2.60	2.21	64	45	
	67	1.83	0.44	143	3.6	108	2.52	2.29	61	41	
	68	2.57	0.42	141	3.7	107	2.54	2.28	60	40	
	69	2.49	0.53	143	3.8	108	2.50	2.30	61	42	
	70	2.37	0.74	139	3.8	104	2.54	2.15	60	40	
4F	71	1.97	0.40	140	3.5	108	2.53	1.93	64	44	
	72	2.63	0.55	144	3.4	110	2.49	1.84	63	41	
	73	2.72	0.57	141	3.4	108	2.54	1.92	64	44	
	74	1.60	0.43	142	3.3	110	2.55	1.98	62	42	
	75	2.43	0.43	140	3.6	108	2.53	2.41	67	44	
	76	2.92	0.56	140	3.8	108	2.53	2.08	64	43	
	77	2.23	0.59	143	3.7	109	2.54	1.90	62	43	
	78	2.52	0.46	142	3.3	107	2.53	2.32	61	41	
	79	2.14	0.46	142	3.3	108	2.57	2.19	63	42	
	80	2.10	0.46	142	3.4	107	2.45	2.00	61	41	

Report 99 3953

0084

APPENDIX 7 - continued

Blood Chemistry - individual values during Week 4 of treatment

Group	:	1	2	3	4
Compound	:	Control	----- <i>Aspergillus niger</i> (ARO-1) -----		
Dosage (mg/kg/day)	:	0	500	1500	5000

Group	Animal	A/G Ratio
3F	61	2.37
	62	2.47
	63	2.56
	64	2.59
	65	2.32
	66	2.37
	67	2.05
	68	2.00
	69	2.21
	70	2.00
4F	71	2.20
	72	1.86
	73	2.20
	74	2.10
	75	1.91
	76	2.05
	77	2.26
	78	2.05
	79	2.00
	80	2.05

Report 99 3953

0085

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	EPIDIDYMI D	HEART	KIDNEYS	LIVER	LUNGS & BR	SPLEEN	TESTES	THYMUS
1M	1	355.2	1.97	0.915	1.24	2.34	16.8	1.28	0.753	3.21	0.516
	2	321.6	1.89	0.740	1.21	2.30	13.5	1.50	0.614	3.11	0.644
	3	353.7	1.90	0.787	1.30	2.68	16.0	1.59	0.674	3.25	0.421
	4	279.1	1.92	0.652	1.17	2.18	11.9	1.13	0.477	2.58	0.475
	5	288.7	1.95	0.699	1.11	2.34	12.3	1.27	0.603	3.46	0.385
	6	317.8	1.89	0.691	1.36	2.20	11.9	1.53	0.706	3.48	0.562
	7	330.2	1.96	0.827	1.29	2.65	14.6	1.43	0.661	3.08	0.505
	8	362.7	2.06	0.907	1.40	2.77	14.2	1.53	0.978	3.69	0.427
	9	313.0	2.13	0.769	1.31	2.60	12.7	1.67	0.805	2.94	0.424
	10	318.9	1.95	0.726	1.20	2.09	11.7	1.26	0.678	3.13	0.497
2M	11	332.1	2.02	0.803	1.12	2.67	15.8	1.30	0.682	3.43	0.557
	12	342.3	2.13	0.790	1.27	2.41	15.1	1.43	0.858	3.02	0.524
	13	363.0	2.02	0.815	1.23	2.79	18.2	1.52	0.646	3.24	0.550
	14	302.5	1.98	0.874	1.36	2.49	13.2	1.39	0.592	3.03	0.422
	15	377.0	2.04	0.767	1.36	3.15	18.2	1.69	0.876	3.16	0.604
	16	306.1	1.83	0.686	1.03	2.35	12.1	1.52	0.620	3.32	0.430
	17	327.1	1.97	0.832	1.02	2.66	14.0	1.38	0.626	3.28	0.467
	18	340.5	2.04	0.785	1.30	2.35	13.8	1.52	0.738	3.29	0.658
	19	314.5	1.85	0.871	1.16	2.27	12.0	1.26	0.743	3.14	0.477
	20	310.9	1.96	0.776	1.15	2.28	12.2	1.30	0.635	3.36	0.341

Report 99 3953

0086

APPENDIX 8A - continued.

Print No: 0011

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL	
		BODY WT (g)	THYROID+P
1M	1	355.2	0.010
	2	321.6	0.012
	3	353.7	0.008
	4	279.1	0.008
	5	288.7	0.009
	6	317.8	0.016
	7	330.2	0.012
	8	362.7	0.014
	9	313.0	0.013
	10	318.9	0.020
2M	11	332.1	0.012
	12	342.3	0.008
	13	363.0	0.013
	14	302.5	0.016
	15	377.0	0.017
	16	306.1	0.015
	17	327.1	0.014
	18	340.5	0.007
	19	314.5	0.009
	20	310.9	0.009

Report 99 3953

0087

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	EPIDIDYMI D	HEART	KIDNEYS	LIVER	LUNGS & BR	SPLEEN	TESTES	THYMUS
3M	21	341.0	1.97	0.773	1.26	2.13	14.9	1.36	0.860	3.37	0.337
	22	308.7	1.83	0.766	1.08	2.12	12.2	1.49	0.819	2.98	0.583
	23	326.9	1.91	0.898	1.30	2.45	14.1	1.36	0.778	3.26	0.632
	24	355.0	2.07	0.797	1.33	2.82	16.2	1.71	0.863	3.59	0.603
	25	330.9	1.97	0.757	1.18	2.44	15.1	1.43	0.878	3.32	0.565
	26	325.2	1.95	0.774	1.28	2.43	13.5	1.59	0.803	3.71	0.394
	27	303.6	1.95	0.898	1.20	2.27	14.4	1.42	0.748	3.16	0.465
	28	339.4	2.02	0.820	1.41	2.60	14.0	1.52	0.717	3.64	0.423
	29	320.1	1.95	0.907	1.29	2.36	12.8	1.48	0.746	3.20	0.506
	30	362.4	2.02	0.871	1.27	2.54 *	16.0	1.66	0.833	3.68	0.449
4M	31	277.8	1.87	0.765	1.14	2.32	12.9	1.39	0.655	2.95	0.416
	32	343.0	1.76	0.882	1.18	2.62	13.8	1.66	0.860	3.20	0.353
	33	326.1	1.98	0.782	1.28	2.42	14.7	1.61	0.649	3.22	0.440
	34	290.4	1.93	0.746	1.19	1.97	11.0	1.27	0.557	3.11	0.318
	35	295.0	1.87	0.636	1.12	2.21	12.5	1.31	0.553	2.76	0.369
	36	356.7	1.99	0.814	1.28	2.53	15.4	1.53	0.678	3.35	0.526
	37	302.6	2.00	0.748	1.26	2.07	11.0	1.31	0.678	3.05	0.505
	38	312.8	2.01	0.851	1.24	2.30	13.1	1.52	0.835	3.40	0.475
	39	391.3	2.12	0.798	1.33	2.82	16.5	1.60	0.936	3.73	0.661
	40	345.4	2.03	0.780	1.21	2.47	12.7	1.70	0.867	3.01	0.573

* Weighed after fixation

Report 99 3953

0088

APPENDIX 8A - continued.

Print No: 0011

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	THYROID+P
3M	21	341.0	0.009
	22	308.7	0.009
	23	326.9	0.011
	24	355.0	0.010
	25	330.9	0.011
	26	325.2	0.019
	27	303.6	0.014
	28	339.4	0.005
	29	320.1	0.012
	30	362.4	0.012
4M	31	277.8	0.012
	32	343.0	0.014
	33	326.1	0.016
	34	290.4	0.010
	35	295.0	0.011
	36	356.7	0.013
	37	302.6	0.007
	38	312.8	0.015
	39	391.3	0.012
	40	345.4	0.012

Report 99 3953

0089

APPENDIX 8A - continued.

Print No: 0011

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Report 99 3953 0090

Group : 1 2 3 4
 Compound : Control Aspergillus niger (AR0-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	HEART	KIDNEYS	LIVER	LUNGS & BR	OVARIES	SPLEEN	THYMUS	THYROIDS+P
1F	41	229.8	1.94	0.84	1.75	9.9	1.10	0.086	0.456	0.505	0.008
	42	260.3	2.05	0.96	1.99	12.1	1.20	0.095	0.584	0.556	0.018
	43	223.6	1.77	0.82	1.81	10.2	1.09	0.077	0.525	0.411	0.008
	44	252.5	1.99	1.06	1.85	11.3	1.31	0.099	0.517	0.650	0.008
	45	256.9	1.96	1.15	2.28 *	11.4	1.30	0.074	0.575	0.449	0.014
	46	256.5	1.87	1.11	2.06	11.7	1.42	0.081	0.676	0.639	0.018
	47	237.8	1.92	1.00	1.80	10.0	1.16	0.086	0.503	0.459	0.009
	48	217.5	1.81	0.97	1.74	9.1	1.17	0.113	0.503	0.531	0.010
	49	213.3	1.91	0.90	1.87	8.8	1.12	0.079	0.463	0.438	0.008
	50	271.0	2.04	0.98	2.22	12.2	1.30	0.081	0.849	0.703	0.010
2F	51	204.4	2.06	0.79	1.64	7.8	1.13	0.069	0.451	0.362	0.009
	52	236.9	2.02	1.04	1.89	10.1	1.10	0.075	0.588	0.407	0.010
	53	228.9	1.96	1.00	1.86	9.1	1.62	0.069	0.430	0.354	0.013
	54	225.2	1.83	1.08	1.70	9.0	1.18	0.084	0.470	0.503	0.007
	55	247.9	1.88	1.23	1.87	11.1	1.20	0.074	0.482	0.502	0.008
	56	242.6	2.00	0.96	1.69	9.3	1.23	0.104	0.498	0.682	0.005
	57	230.9	2.01	0.91	1.86	10.5	1.34	0.087	0.543	0.380	0.019
	58	258.5	2.00	0.99	2.02	11.0	1.17	0.082	0.478	0.510	0.011
	59	242.9	1.93	0.89	1.57	8.7	1.06	0.067	0.773	0.477	0.009
	60	244.2	1.98	1.05	1.92	10.2	1.17	0.090	0.444	0.384	0.008

* Weighed after fixation

APPENDIX 8A - continued.

Print No: 0011

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	UTERUS+CER
1F	41	229.8	0.42
	42	260.3	0.34
	43	223.6	0.80
	44	252.5	0.48
	45	256.9	0.44
	46	256.5	0.38
	47	237.8	0.39
	48	217.5	0.75
	49	213.3	0.75
	50	271.0	0.47
2F	51	204.4	0.36
	52	236.9	0.38
	53	228.9	0.98
	54	225.2	0.29
	55	247.9	0.85
	56	242.6	0.49
	57	230.9	0.55
	58	258.5	0.33
	59	242.9	0.45
	60	244.2	0.56

Report 99 3953

0091

APPENDIX 8A - continued.

Print No: 0011

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	HEART	KIDNEYS	LIVER	LUNGS & BR	OVARIES	SPLEEN	THYMUS	THYROID+P
3F	61	252.3	1.90	1.15	2.05	10.0	1.39	0.095	0.453	0.538	0.012
	62	211.5	1.94	0.85	1.89	8.4	1.15	0.059	0.433	0.265	0.012
	63	250.1	1.84	0.91	1.95	9.6	1.26	0.085	0.465	0.371	0.011
	64	223.6	1.84	0.97	1.70	7.8	1.11	0.083	0.462	0.331	0.009
	65	240.5	1.99	0.99	1.89	9.5	1.19	0.081	0.626	0.595	0.010
	66	235.7	1.88	0.90	2.08	9.7	1.19	0.082	0.441	0.396	0.010
	67	222.6	1.89	0.86	1.81	9.8	1.19	0.090	0.530	0.434	0.010
	68	260.0	1.93	0.98	2.02	11.1	1.29	0.083	0.616	0.533	0.014
	69	229.0	1.86	0.76	1.94	8.8	1.22	0.077	0.485	0.457	UNSUITABLE
	70	260.1	2.00	1.08	1.95	9.8	1.31	0.085	0.651	0.583	0.007
4F	71	220.3	1.78	0.79	1.62	10.0	1.15	0.073	0.503	0.514	0.013
	72	241.3	1.89	0.92	1.80	10.5	1.14	0.092	0.590	0.541	0.011
	73	239.3	1.84	0.94	1.93	9.1	1.27	0.080	0.411	0.513	0.010
	74	237.8	1.90	1.10	1.62	10.2	1.24	0.077	0.549	0.440	0.009
	75	234.4	1.86	0.88	1.81	9.3	1.12	0.073	0.510	0.497	0.009
	76	252.9	2.01	0.97	2.07	11.0	1.28	0.074	0.674	0.432	0.009
	77	262.6	1.97	0.99	2.20	11.4	1.34	0.086	0.504	0.750	0.017
	78	233.3	1.97	0.95	1.84	10.5	1.27	0.090	0.514	0.601	0.009
	79	237.0	1.91	1.14	1.91	10.5	1.24	0.109	0.563	0.493	UNSUITABLE
	80	242.0	1.90	0.88	1.97	10.2	1.20	0.101	0.467	0.498	0.014

Report 99 3953

0092

APPENDIX 8A - continued.

Print No: 0011

Absolute organ weights - individual values (g) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	UTERUS+CER
3F	61	252.3	0.27
	62	211.5	0.53
	63	250.1	0.40
	64	223.6	0.37
	65	240.5	0.47
	66	235.7	0.88
	67	222.6	0.40
	68	260.0	0.38
	69	229.0	1.02
	70	260.1	0.54
<hr/>			
4F	71	220.3	0.34
	72	241.3	0.32
	73	239.3	0.46
	74	237.8	0.34
	75	234.4	0.49
	76	252.9	0.40
	77	262.6	0.36
	78	233.3	0.57
	79	237.0	0.36
	80	242.0	0.37

Report 99 3953

0093

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	EPIDIDYMIID	HEART	KIDNEYS	LIVER	LUNGS & BR	SPLEEN	TESTES	THYMUS
1M	1	355.2	0.554	0.2576	0.350	0.659	4.72	0.359	0.2120	0.905	0.1453
	2	321.6	0.588	0.2301	0.377	0.715	4.18	0.465	0.1909	0.968	0.2002
	3	353.7	0.537	0.2225	0.367	0.759	4.51	0.449	0.1906	0.919	0.1190
	4	279.1	0.690	0.2336	0.419	0.782	4.25	0.406	0.1709	0.924	0.1702
	5	288.7	0.674	0.2421	0.383	0.812	4.26	0.438	0.2089	1.199	0.1334
	6	317.8	0.594	0.2174	0.429	0.694	3.75	0.482	0.2222	1.096	0.1768
	7	330.2	0.595	0.2505	0.392	0.802	4.44	0.434	0.2002	0.932	0.1529
	8	362.7	0.567	0.2501	0.385	0.763	3.91	0.421	0.2696	1.017	0.1177
	9	313.0	0.680	0.2457	0.417	0.830	4.05	0.535	0.2572	0.939	0.1355
	10	318.9	0.612	0.2277	0.376	0.655	3.68	0.394	0.2126	0.981	0.1558
2M	11	332.1	0.608	0.2418	0.337	0.803	4.76	0.391	0.2054	1.031	0.1677
	12	342.3	0.621	0.2308	0.372	0.704	4.41	0.418	0.2507	0.882	0.1531
	13	363.0	0.557	0.2245	0.339	0.767	5.00	0.419	0.1780	0.893	0.1515
	14	302.5	0.653	0.2889	0.448	0.823	4.38	0.460	0.1957	1.002	0.1395
	15	377.0	0.540	0.2034	0.360	0.837	4.83	0.449	0.2324	0.839	0.1602
	16	306.1	0.597	0.2241	0.336	0.767	3.96	0.496	0.2025	1.084	0.1405
	17	327.1	0.603	0.2544	0.313	0.812	4.30	0.422	0.1914	1.004	0.1428
	18	340.5	0.598	0.2305	0.382	0.689	4.06	0.446	0.2167	0.966	0.1932
	19	314.5	0.589	0.2769	0.368	0.721	3.81	0.401	0.2362	0.999	0.1517
	20	310.9	0.631	0.2496	0.369	0.734	3.94	0.417	0.2042	1.080	0.1097

Report 99 3953

0094

APPENDIX BB - continued.

Print No: 0012

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	THYROID+P
1M	1	355.2	0.0028
	2	321.6	0.0037
	3	353.7	0.0023
	4	279.1	0.0029
	5	288.7	0.0031
	6	317.8	0.0050
	7	330.2	0.0036
	8	362.7	0.0039
	9	313.0	0.0042
	10	318.9	0.0063
2M	11	332.1	0.0036
	12	342.3	0.0023
	13	363.0	0.0036
	14	302.5	0.0053
	15	377.0	0.0045
	16	306.1	0.0049
	17	327.1	0.0043
	18	340.5	0.0021
	19	314.5	0.0029
	20	310.9	0.0029

Report 99 3953

0095

APPENDIX 8B - continued.

Print No: 0012

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	EPIDIDYMI D	HEART	KIDNEYS	LIVER	LUNGS & BR	SPLEEN	TESTES	THYMUS
3M	21	341.0	0.577	0.2267	0.369	0.625	4.37	0.398	0.2522	0.989	0.0988
	22	308.7	0.593	0.2481	0.349	0.685	3.97	0.483	0.2653	0.965	0.1889
	23	326.9	0.584	0.2747	0.396	0.750	4.33	0.415	0.2380	0.996	0.1933
	24	355.0	0.583	0.2245	0.374	0.794	4.58	0.481	0.2431	1.011	0.1699
	25	330.9	0.594	0.2288	0.358	0.736	4.56	0.431	0.2653	1.005	0.1707
	26	325.2	0.599	0.2380	0.393	0.747	4.16	0.489	0.2469	1.141	0.1212
	27	303.6	0.642	0.2958	0.396	0.748	4.76	0.468	0.2464	1.041	0.1532
	28	339.4	0.594	0.2416	0.415	0.766	4.13	0.449	0.2113	1.072	0.1246
	29	320.1	0.608	0.2833	0.403	0.738	4.01	0.464	0.2331	0.998	0.1581
	30	362.4	0.558	0.2403	0.351	0.702	4.41	0.459	0.2299	1.014	0.1239
4M	31	277.8	0.672	0.2754	0.410	0.835	4.64	0.501	0.2358	1.060	0.1497
	32	343.0	0.513	0.2571	0.344	0.763	4.02	0.484	0.2507	0.932	0.1029
	33	326.1	0.609	0.2398	0.391	0.743	4.49	0.494	0.1990	0.989	0.1349
	34	290.4	0.665	0.2569	0.409	0.678	3.77	0.438	0.1918	1.070	0.1095
	35	295.0	0.633	0.2156	0.380	0.749	4.23	0.445	0.1875	0.936	0.1251
	36	356.7	0.558	0.2282	0.358	0.710	4.31	0.428	0.1901	0.939	0.1475
	37	302.6	0.662	0.2472	0.417	0.683	3.62	0.432	0.2241	1.009	0.1669
	38	312.8	0.643	0.2721	0.397	0.734	4.18	0.487	0.2669	1.088	0.1519
	39	391.3	0.541	0.2039	0.339	0.721	4.23	0.409	0.2392	0.953	0.1689
	40	345.4	0.587	0.2258	0.350	0.715	3.68	0.492	0.2510	0.871	0.1659

Report 99 3953

0096

APPENDIX 8B - continued.

Print No: 0012

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	THYROIDS+P
3M	21	341.0	0.0026
	22	308.7	0.0029
	23	326.9	0.0034
	24	355.0	0.0028
	25	330.9	0.0033
	26	325.2	0.0058
	27	303.6	0.0046
	28	339.4	0.0015
	29	320.1	0.0037
	30	362.4	0.0033
4M	31	277.8	0.0043
	32	343.0	0.0041
	33	326.1	0.0049
	34	290.4	0.0034
	35	295.0	0.0037
	36	356.7	0.0036
	37	302.6	0.0023
	38	312.8	0.0048
	39	391.3	0.0031
	40	345.4	0.0035

Report 99 3953

0097

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	HEART	KIDNEYS	LIVER	LUNGS & BR	OVARIES	SPLEEN	THYMUS	THYROIDS+P

1F	41	229.8	0.843	0.365	0.763	4.30	0.477	0.0374	0.1984	0.2198	0.0035
	42	260.3	0.786	0.368	0.764	4.66	0.461	0.0365	0.2244	0.2136	0.0069
	43	223.6	0.791	0.366	0.808	4.56	0.489	0.0344	0.2348	0.1838	0.0036
	44	252.5	0.790	0.421	0.734	4.48	0.517	0.0392	0.2048	0.2574	0.0032
	45	256.9	0.765	0.447	0.888	4.42	0.508	0.0288	0.2238	0.1748	0.0054
	46	256.5	0.730	0.432	0.802	4.56	0.555	0.0316	0.2635	0.2491	0.0070
	47	237.8	0.808	0.419	0.756	4.19	0.488	0.0362	0.2115	0.1930	0.0038
	48	217.5	0.830	0.448	0.801	4.20	0.538	0.0520	0.2313	0.2441	0.0046
	49	213.3	0.897	0.424	0.878	4.11	0.523	0.0370	0.2171	0.2053	0.0038
	50	271.0	0.751	0.363	0.821	4.52	0.481	0.0299	0.3133	0.2594	0.0037

2F	51	204.4	1.008	0.386	0.804	3.80	0.551	0.0338	0.2206	0.1771	0.0044
	52	236.9	0.851	0.439	0.799	4.26	0.466	0.0317	0.2482	0.1718	0.0042
	53	228.9	0.858	0.435	0.811	3.97	0.706	0.0301	0.1879	0.1547	0.0057
	54	225.2	0.812	0.481	0.753	4.01	0.524	0.0373	0.2087	0.2234	0.0031
	55	247.9	0.758	0.495	0.754	4.48	0.482	0.0299	0.1944	0.2025	0.0032
	56	242.6	0.824	0.397	0.697	3.82	0.509	0.0429	0.2053	0.2811	0.0021
	57	230.9	0.869	0.392	0.806	4.54	0.580	0.0377	0.2352	0.1646	0.0082
	58	258.5	0.773	0.384	0.780	4.24	0.451	0.0317	0.1849	0.1973	0.0043
	59	242.9	0.797	0.368	0.646	3.60	0.437	0.0276	0.3182	0.1964	0.0037
	60	244.2	0.813	0.430	0.788	4.17	0.480	0.0369	0.1818	0.1572	0.0033

Report 99 3953

0098

APPENDIX 8B - continued.

Print No: 0012

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	UTERUS+CER
1F	41	229.8	0.184
	42	260.3	0.131
	43	223.6	0.356
	44	252.5	0.189
	45	256.9	0.170
	46	256.5	0.149
	47	237.8	0.164
	48	217.5	0.346
	49	213.3	0.351
	50	271.0	0.173
2F	51	204.4	0.176
	52	236.9	0.159
	53	228.9	0.426
	54	225.2	0.129
	55	247.9	0.342
	56	242.6	0.203
	57	230.9	0.238
	58	258.5	0.130
	59	242.9	0.185
	60	244.2	0.229

Report 99 3953

0099

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

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Report 99 3953

0100

GROUP	ANIMAL	TERMINAL BODY WT (g)	BRAIN	HEART	KIDNEYS	LIVER	LUNGS & BR	OVARIES	SPLEEN	THYMUS	THYROIDS+P
3F	61	252.3	0.754	0.457	0.814	3.98	0.552	0.0377	0.1795	0.2132	0.0048
	62	211.5	0.919	0.401	0.893	3.96	0.543	0.0279	0.2047	0.1253	0.0057
	63	250.1	0.737	0.365	0.780	3.86	0.502	0.0340	0.1859	0.1483	0.0044
	64	223.6	0.824	0.434	0.758	3.49	0.497	0.0371	0.2066	0.1480	0.0040
	65	240.5	0.828	0.410	0.784	3.97	0.496	0.0337	0.2603	0.2474	0.0042
	66	235.7	0.796	0.381	0.883	4.10	0.503	0.0348	0.1871	0.1680	0.0042
	67	222.6	0.848	0.387	0.815	4.40	0.535	0.0404	0.2381	0.1950	0.0045
	68	260.0	0.743	0.378	0.778	4.27	0.494	0.0319	0.2369	0.2050	0.0054
	69	229.0	0.813	0.334	0.846	3.83	0.531	0.0336	0.2118	0.1996	UNSUITABLE
	70	260.1	0.768	0.415	0.750	3.76	0.503	0.0327	0.2503	0.2241	0.0027
4F	71	220.3	0.808	0.358	0.734	4.54	0.522	0.0331	0.2283	0.2333	0.0059
	72	241.3	0.782	0.380	0.746	4.36	0.474	0.0381	0.2445	0.2242	0.0046
	73	239.3	0.767	0.392	0.807	3.79	0.529	0.0334	0.1718	0.2144	0.0042
	74	237.8	0.798	0.464	0.680	4.30	0.522	0.0324	0.2309	0.1850	0.0038
	75	234.4	0.794	0.375	0.771	3.98	0.476	0.0311	0.2176	0.2120	0.0038
	76	252.9	0.793	0.383	0.818	4.36	0.506	0.0293	0.2665	0.1708	0.0036
	77	262.6	0.749	0.376	0.838	4.36	0.508	0.0327	0.1919	0.2856	0.0065
	78	233.3	0.844	0.409	0.787	4.50	0.545	0.0386	0.2203	0.2576	0.0039
	79	237.0	0.807	0.480	0.805	4.41	0.524	0.0460	0.2376	0.2080	UNSUITABLE
	80	242.0	0.784	0.366	0.814	4.22	0.495	0.0417	0.1930	0.2058	0.0058

APPENDIX 8B - continued.

Print No: 0012

Organ weights relative to bodyweight - individual values (%) for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

GROUP	ANIMAL	TERMINAL BODY WT (g)	UTERUS+CER
3F	61	252.3	0.109
	62	211.5	0.249
	63	250.1	0.161
	64	223.6	0.164
	65	240.5	0.196
	66	235.7	0.371
	67	222.6	0.179
	68	260.0	0.145
	69	229.0	0.443
	70	260.1	0.208
4F	71	220.3	0.153
	72	241.3	0.134
	73	239.3	0.192
	74	237.8	0.143
	75	234.4	0.208
	76	252.9	0.160
	77	262.6	0.138
	78	233.3	0.243
	79	237.0	0.153
	80	242.0	0.153

Report 99 3953

0101

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0001	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 355.2 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
-----------------	--	-----------------------------

THYMUS :

-AREA(S) OF CHANGE; OCCASIONAL DARK AREAS, <2X1MM.

ADRENAL CTX :

-CORTICAL FATTY VACUOLATION, -SLIGHT

THYMUS :

-HAEMORRHAGE, -SLIGHT

Report 99 3953

0102

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Page: 2

Schedule number: GSB 061

ANIMAL NUMBER: 0002	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 321.6 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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PROSTATE :
-LYMPHOCYTIC INFILTRATION, -MODERATE

THYMUS :
-LYMPHOCYTOLYSIS, -SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0103

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Page: 3

Schedule number: GSB 061

ANIMAL NUMBER: 0003	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 353.7 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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	CAECUM :
	-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA, -SLIGHT

THYMUS :	
-AREA(S) OF CHANGE; OCCASIONAL PUNCTATE, DARK FOCI.	

THYMUS :
-HAEMORRHAGE, -SLIGHT

0104

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 4

Schedule number: GSB 061

ANIMAL NUMBER: 0004	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 279.1 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

NECROPSY		HISTOPATHOLOGY
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CAECUM :

-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA, -SLIGHT

KIDNEYS :

-CORTICAL TUBULAR HYALINE DROPLETS, -MODERATE

THYMUS :

-LYMPHOCYTOLYSIS, -SLIGHT

0105

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0106

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 5

Schedule number: GSB 061

ANIMAL NUMBER: 0005	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 288.7 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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EPIDIDYMIDES :
-SPERMATOCOELE, -PRESENT

KIDNEYS :
-BASOPHILIC CORTICAL TUBULES, -MINIMAL
-INTERSTITIAL INFLAMMATORY INFILTRATION, -MINIMAL

TESTES :
-SEMINAL TUBULAR EPITHELIAL ATROPHY, -MODERATE

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Page: 6

Schedule number: GSB 061

ANIMAL NUMBER: 0006	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 317.8 GRAMS

	P A T H O L O G Y	O B S E R V A T I O N S	
N E C R O P S Y			H I S T O P A T H O L O G Y

THYMUS :
-LYMPHOCYTOLYSIS,-SLIGHT
-HAEMORRHAGE,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0107

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0108

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 7

Schedule number: GSB 061

ANIMAL NUMBER: 0007	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 330.2 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY
-----		KIDNEYS :
		-BASOPHILIC CORTICAL TUBULES, -MINIMAL
		LIVER X 5 :
		-FOCI OF LEUCOCYTES WITHIN SINUSOIDS, -SLIGHT
		THYMUS :
		-LYMPHOCYTOLYSIS, -SLIGHT
THYROIDES :		THYROIDES :
-PALE; LEFT.		>NO SIGNIFICANT LESION

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 8

Schedule number: GSB 061

ANIMAL NUMBER: 0008	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 362.7 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY
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KIDNEYS :
-INTERSTITIAL INFLAMMATORY INFILTRATION,-MINIMAL

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0109

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0110

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0009	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 313.0 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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KIDNEYS :
-CORTICAL TUBULAR HYALINE DROPLETS, -SLIGHT

THYMUS :
-LYMPHOCYTOLYSIS, -SLIGHT

THYROIDS :
-ULTIMOB R A N C H I A L C Y S T (S) , - P R E S E N T

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0010	SEX: MALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 318.9 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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CAECUM :

- INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

KIDNEYS :

- BASOPHILIC CORTICAL TUBULES,-MINIMAL
- INTERSTITIAL INFLAMMATORY INFILTRATION,-MINIMAL

PROSTATE :

- LYMPHOCYTIC INFILTRATION,-MINIMAL

THYMUS :

- LYMPHOCYTOLYSIS,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0111

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0011	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 332.1 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0112

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0012	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 342.3 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0113

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0013	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 363.0 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY

THYMUS :	THYMUS :	
-AREA(S) OF CHANGE; OCCASIONAL PUNCTATE, PALE FOCI.	-LYMPHOCYTOLYSIS, -SLIGHT	
	-HAEMORRHAGE, -SLIGHT	

0114

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0014	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 302.5 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0115

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0015 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 377.0 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0116

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0016	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 306.1 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0117

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0017 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 327.1 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0118

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0018 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 340.5 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0119

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0019	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 314.5 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0120

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0020	SEX: MALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 310.9 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0121

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0021	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 341.0 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0122

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0022 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 308.7 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0123

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0023 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 326.9 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0124

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

.Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0024	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 355.0 GRAMS

	P A T H O L O G Y	O B S E R V A T I O N S	
N E C R O P S Y			H I S T O P A T H O L O G Y

L N MANDIBULAR :
-DARK; SINGLE NODE.

L N MANDIBULAR :
>NO SIGNIFICANT LESION

0125

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0025	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 330.9 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0126

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0026 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 325.2 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0127

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0027	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 303.6 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report: 99 3953

0128

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0028	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 339.4 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0129

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 29

Schedule number: GSB 061

ANIMAL NUMBER: 0029	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 320.1 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0130

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report: 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARD-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 30

Schedule number: GSB 061

ANIMAL NUMBER: 0030	SEX: MALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 362.4 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0131

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report: 99 3953

0132

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Page: 31

Schedule number: GSB 061

ANIMAL NUMBER: 0031	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 277.8 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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CAECUM :

-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

KIDNEYS :

-CORTICAL TUBULAR HYALINE DROPLETS,-MODERATE

LIVER X 5 :

-FOCI OF LEUCOCYTES WITHIN SINUSOIDS,-MINIMAL

THYMUS :

-LYMPHOCYTOLYSIS,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0032	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 343.0 GRAMS

N E C R O P S Y	P A T H O L O G Y · O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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ADRENAL CTX :
-CORTICAL FATTY VACUOLATION, -SLIGHT

KIDNEYS :
-INTERSTITIAL INFLAMMATORY INFILTRATION, -MINIMAL

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

REPORT 99 2953

0133

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953 0-34

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0033	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 326.1 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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	ADRENAL CTX :
	-CORTICAL FATTY VACUOLATION, -SLIGHT
	THYMUS :
	-HAEMORRHAGE, -SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 34

Schedule number: GSB 061

ANIMAL NUMBER: 0034	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 290.4 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0135

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 35

Schedule number: GSB 061

ANIMAL NUMBER: 0035	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 295.0 GRAMS

	P A T H O L O G Y O B S E R V A T I O N S	
N E C R O P S Y		H I S T O P A T H O L O G Y

THYMUS :
-AREA(S) OF CHANGE; OCCASIONAL PUNCTATE, DARK FOCI.

THYMUS :
>NO SIGNIFICANT LESION

0136

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 36

Schedule number: GSB 061

ANIMAL NUMBER: 0036	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 356.7 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

NECROPSY		HISTOPATHOLOGY
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KIDNEYS :
-CORTICAL TUBULAR HYALINE DROPLETS, -SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0137

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 37

Schedule number: GSB 061

ANIMAL NUMBER: 0037	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 302.6 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY

		LIVER X 5 :
		-FOCI OF LEUCOCYTES WITHIN SINUSOIDS, -SLIGHT
THYMUS :		THYMUS :
-AREA(S) OF CHANGE; OCCASIONAL PUNCTATE, DARK FOCI.		>NO SIGNIFICANT LESION

0138

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0038	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 312.8 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

NECROPSY

HISTOPATHOLOGY

KIDNEYS :
-CORTICAL TUBULAR HYALINE DROPLETS, -SLIGHT

THYMUS :
-LYMPHOCYTOLYSIS, -SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0139

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0140

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
 Page: 39

Schedule number: GSB 061

ANIMAL NUMBER: 0039 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
 DATE OF DEATH: 05-MAY-99 STUDY DAY OF DEATH: 29 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 391.3 GRAMS

NECROPSY PATHOLOGY OBSERVATIONS HISTOPATHOLOGY

ADRENAL CTX :
 -CORTICAL FATTY VACUOLATION,-SLIGHT
 CAECUM :
 -INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT
 HEART,VENTRICLE :
 -CHRONIC MYOCARDITIS,-MINIMAL
 KIDNEYS :
 -BASOPHILIC CORTICAL TUBULES,-MINIMAL
 -INTERSTITIAL INFLAMMATORY INFILTRATION,-MINIMAL
 LIVER X 5 :
 -FOCI OF LEUCOCYTES WITHIN SINUSOIDS,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0141

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0040	SEX: MALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 05-MAY-99	STUDY DAY OF DEATH: 29	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 345.4 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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CAECUM :

-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA, -SLIGHT

KIDNEYS :

-BASOPHILIC CORTICAL TUBULES, -MINIMAL

LIVER X 5 :

-FOCI OF LEUCOCYTES WITHIN SINUSOIDS, -SLIGHT

S. MUSCLE THIGH :

-CHRONIC INFLAMMATION, -SLIGHT

THYMUS :

-HAEMORRHAGE, -SLIGHT

URINARY BLADDER :

-PROTEINACEOUS PLUG, -SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0041	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 229.8 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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KIDNEYS :

- BASOPHILIC CORTICAL TUBULES,-MINIMAL
- CORTICO-MEDULLARY MINERALISATION,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0142

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0042	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 260.3 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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KIDNEYS :

- CORTICO-MEDULLARY MINERALISATION,-SLIGHT
- DILATED CORTICAL TUBULES,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0143

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0144

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0043 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
 DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 223.6 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY
UTERUS : -FLUID DISTENSION; <3MM DIA.	KIDNEYS : -DILATED CORTICAL TUBULES,-SLIGHT LIVER X 5 : -FOCI OF LEUCOCYTES WITHIN SINUSOIDS,-MINIMAL THYMUS : -LYMPHOCYTOLYSIS,-SLIGHT	UTERUS : -DILATED,-MODERATE

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0044	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 252.5 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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KIDNEYS :
-CORTICO-MEDULLARY MINERALISATION, -SLIGHT

THYMUS :
-LYMPHOCYTOLYSIS, -MODERATE

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0145

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0045	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 256.9 GRAMS

N E C R O P S Y	P A T H O L O G Y	O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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LIVER X 5 :
-FOCI OF LEUCOCYTES WITHIN SINUSOIDS,-MINIMAL

THYMUS :
-LYMPHOCYTOLYSIS,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0146

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group : 1 2 3 4
 Compound : Control Aspergillus niger (ARO-1)
 Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
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Schedule number: GSB 061

 ANIMAL NUMBER: 0046 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
 DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 256.5 GRAMS

 NECROPSY PATHOLOGY OBSERVATIONS HISTOPATHOLOGY

KIDNEYS :
 -BASOPHILIC CORTICAL TUBULES, -MINIMAL

 LUNGS X 2 :
 -ALVEOLAR HAEMORRHAGE, -SLIGHT

 PANCREAS :
 -ACINAR ATROPHY WITH CHRONIC INFLAMMATION, -MODERATE

 PARATHYROIDS :
 >TISSUE MISSING

 THYMUS :
 -LYMPHOCYTOLYSIS, -SLIGHT

 *** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0147

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 47

Schedule number: GSB 061

ANIMAL NUMBER: 0047	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 237.8 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

NECROPSY

HISTOPATHOLOGY

KIDNEYS :
-MEDULLARY CYST(S), -SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0148

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 48

Schedule number: GSB 061

ANIMAL NUMBER: 0048	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 217.5 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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UTERUS :
-FLUID DISTENSION; <4MM DIA.

UTERUS :
-DILATED, -SLIGHT

0149

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00

Page: 49

Schedule number: GSB 061

ANIMAL NUMBER: 0049 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
 DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 213.3 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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KIDNEYS :
 -BASOPHILIC CORTICAL TUBULES,-MINIMAL
 -CORTICO-MEDULLARY MINERALISATION,-SLIGHT
 -MEDULLARY MINERALISATION,-MINIMAL

UTERUS :
 -FLUID DISTENSION; <4MM DIA.

UTERUS :
 -DILATED,-SLIGHT

Report 99 3953

0150

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 50

Schedule number: GSB 061

ANIMAL NUMBER: 0050	SEX: FEMALE	DOSE GROUP: 1	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 271.0 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY

THYROIDS : -APPEARS SMALL; LEFT. WT. 0.003G.		THYROIDS : >NO SIGNIFICANT LESION

0151

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 51

Schedule number: GSB 061

ANIMAL NUMBER: 0051	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 204.4 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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CAECUM :
-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0152

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00

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Schedule number: GSB 061

ANIMAL NUMBER: 0052	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 236.9 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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CAECUM :

-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Report 99 3953

0153

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 53

Schedule number: GSB 061

ANIMAL NUMBER: 0053	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 228.9 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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UTERUS :
-FLUID DISTENSION; <4MM DIA.

CAECUM :
-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

UTERUS :
-DILATED,-SLIGHT

0154

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 54

Schedule number: GSB 061

ANIMAL NUMBER: 0054	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 225.2 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report: 99 3953

0155

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0156

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 55

Schedule number: GSB 061

ANIMAL NUMBER: 0055	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 247.9 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

NECROPSY

HISTOPATHOLOGY

L N ILIAC MED. :
-AREA(S) OF CHANGE; POORLY DEFINED, DARK AREA.

L N ILIAC MED. :
-TATTOO PIGMENT, -PRESENT

UTERUS :
-FLUID DISTENSION; <4MM DIA.

UTERUS :
-DILATED, -SLIGHT

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 56

Schedule number: GSB 061

ANIMAL NUMBER: 0056	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 242.6 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0157

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 57

Schedule number: GSB 061

ANIMAL NUMBER: 0057	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 230.9 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0158

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

Printed: 10-JAN-00
Page: 58

Schedule number: GSB 061

ANIMAL NUMBER: 0058 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 258.5 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0159

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
Page: 59

Schedule number: GSB 061

ANIMAL NUMBER: 0059	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 242.9 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0160

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0060 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 244.2 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0161

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group : 1 2 3 4
Compound : Control Aspergillus niger (ARO-1)
Dosage (mg/kg/day) : 0 500 1500 5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0061 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 252.3 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0162

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0062	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 211.5 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0163

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARD-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0063	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 250.1 GRAMS

	P A T H O L O G Y	O B S E R V A T I O N S	
N E C R O P S Y			H I S T O P A T H O L O G Y

SKIN :
-TRAUMA; RIGHT PINNA PARTIALLY ABSENT.

SKIN :
>NO SIGNIFICANT LESION

Report 99 3953

0164

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0064 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99 STUDY DAY OF DEATH: 30 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 223.6 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0165

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0166

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0065	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 240.5 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0066	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 235.7 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y		H I S T O P A T H O L O G Y
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UTERUS :
-FLUID DISTENSION; <4MM DIA.

UTERUS :
-DILATED, -MODERATE

0167

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0067	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 222.6 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

Report 99 3953

0168

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0068	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 260.0 GRAMS

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

*** ANIMAL HAS NO MICROSCOPIC FINDINGS RECORDED ***

0169

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953
0170

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0069	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 229.0 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY

		CAECUM :
		-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT
THYROIDS :		THYROIDS :
-NOT EVIDENT; LEFT.		>NO SIGNIFICANT LESION
UTERUS :		UTERUS :
-FLUID DISTENSION; <6MM DIA.		-DILATED,-MARKED

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

0171

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0070	SEX: FEMALE	DOSE GROUP: 3	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 260.1 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

N E C R O P S Y	H I S T O P A T H O L O G Y
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<p>UTERUS :</p> <p>-AREA(S) OF CHANGE; POORLY DEFINED, DARK AREA, IN TIP OF RIGHT CORNU.</p>	<p>CAECUM :</p> <p>-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA, -SLIGHT</p>
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<p>UTERUS :</p> <p>-ENDOMETRIAL GLAND HYPERPLASIA, -SLIGHT</p> <p>-STROMAL HAEMORRHAGE, -SLIGHT</p>	
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Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report: 90 3953
072

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0071	SEX: FEMALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 220.3 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY
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CAECUM :

-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

KIDNEYS :

-CORTICO-MEDULLARY MINERALISATION,-MINIMAL

LIVER X 5 :

-FOCI OF LEUCOCYTES WITHIN SINUSOIDS,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0072	SEX: FEMALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 241.3 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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KIDNEYS :
-BASOPHILIC CORTICAL TUBULES, -MINIMAL

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0172

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0073	SEX: FEMALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 239.3 GRAMS

NECROPSY	P A T H O L O G Y O B S E R V A T I O N S	HISTOPATHOLOGY
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CAECUM :
-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0174

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

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Schedule number: GSB 061

ANIMAL NUMBER: 0074	SEX: FEMALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 237.8 GRAMS

P A T H O L O G Y O B S E R V A T I O N S

NECROPSY		HISTOPATHOLOGY
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L N MESENTERIC :

-APPEARS LARGE; <6X4X3MM.

L N MESENTERIC :

>NO SIGNIFICANT LESION

LIVER X 5 :

-FOCI OF LEUCOCYTES WITHIN SINUSOIDS, -MINIMAL

0175

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00
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Schedule number: GSB 061

ANIMAL NUMBER: 0075	SEX: FEMALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 234.4 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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PARATHYROIDS :
>TISSUE MISSING

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0176

Macropathology and histopathology - individual findings for animals killed after 4 weeks of treatment

Report 99 3953

Group	:	1	2	3	4
Compound	:	Control	Aspergillus niger (ARO-1)		
Dosage (mg/kg/day)	:	0	500	1500	5000

Printed: 10-JAN-00

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Schedule number: GSB 061

ANIMAL NUMBER: 0076	SEX: FEMALE	DOSE GROUP: 4	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06-MAY-99	STUDY DAY OF DEATH: 30	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 252.9 GRAMS

N E C R O P S Y	P A T H O L O G Y O B S E R V A T I O N S	H I S T O P A T H O L O G Y
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CAECUM :

-INFLAMMATORY CELL INFILTRATE IN LAMINA PROPRIA,-SLIGHT

KIDNEYS :

-CORTICO-MEDULLARY MINERALISATION,-MINIMAL

*** ANIMAL HAS NO GROSS OBSERVATIONS RECORDED ***

0177