

# 委託研究計劃

附件二及附件三

## 牛樟芝子實體在大鼠的 90天亞慢性口服毒性試驗

### 完整檢驗數據



國立屏東科技大學  
National Pingtung University of Science and Technology



鑫大埔生技實業股份有限公司與國立屏東科技大學 產學研究計畫

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## 簽署頁

檢驗單位：國立屏東科技大學 動物醫院檢驗科

檢驗人員： 檢驗員李俊媛 日期： 105.4.12

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第一組 (控制組) 公	分析項目/大鼠編號	1	2	3	4	5	6	7	8	9	10	
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
	SG (Specific Gravity)	1.017	1.016	1.008	1.010	1.016	1.012	1.010	1.008	1.018	1.005	
	Protein	+	+	±	±	+	+	+	-	+	-	
	Urobilinogen	-	-	-	-	-	-	-	-	-	-	
	PH	8.5	7.5	8.5	7.5	8.5	8.5	8.5	8.5	7.0	7.0	
	Ketone	±	+	-	±	+	+	±	+	+	-	
	Bilirubin	-	-	-	-	-	-	-	-	-	-	
	Glucose	-	-	-	-	-	-	-	-	-	-	
	Nitrite	-	-	-	-	-	-	-	-	-	-	+
	Occult blood	-	-	-	±	-	±	-	±	±	-	
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-	-
		Epithelial cell	-	-	-	+ (Squamous epithelial)	-	-	-	-	-	-
Crystals		+ (Triple phosphate)	+ (Triple phosphate)	+ (Triple phosphate)	-	+ (Triple phosphate)	++ (Triple phosphate)	-	+ (Triple phosphate)	± (Triple phosphate)	-	
第二組 (1250mg/kg) 公	分析項目/大鼠編號	21	22	23	24	25	26	27	28	29	30	
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
	SG (Specific Gravity)	1.029	1.010	1.020	1.015	1.010	1.020	1.015	1.020	1.010	1.020	
	Protein	+	-	+	+	+	+	+	+	-	+	
	Urobilinogen	-	-	-	-	-	-	-	±	±	-	
	PH	8.5	7.5	8.5	7.0	8.0	7.5	7.0	7.5	8.5	7.0	
	Ketone	++	+	+	+	+	±	+	-	-	+	
	Bilirubin	-	-	-	-	-	-	-	-	-	-	
	Glucose	-	-	-	-	-	-	-	-	-	-	
	Nitrite	-	-	-	-	+	-	-	-	-	-	
	Occult blood	±	-	±	±	±	-	-	-	±	±	
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-	-
		Epithelial cell	-	-	-	-	-	-	-	-	-	-
Crystals		+ (Triple phosphate)	-	++ (Triple phosphate)	± (Triple phosphate)	++ (Triple phosphate)	± (Triple phosphate)	± (Triple phosphate)	++ (Triple phosphate)	++ (Triple phosphate)	++ (Triple phosphate)	

第三組 (2500mg/kg) 公	分析項目/大鼠編號	41	42	43	44	45	46	47	48	49	50	
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
	SG (Specific Gravity)	1.010	1.029	1.015	1.020	1.043	1.014	1.012	1.010	1.016	1.018	
	Protein	±	+	-	+	+	+	+	±	+	+	
	Urobilinogen	-	-	-	-	-	-	-	-	-	-	
	PH	8.0	7.0	8.0	7.0	7.0	8.5	8.5	6.5	7	8.5	
	Ketone	±	±	+	+	+	+	±	±	+	+	
	Bilirubin	-	-	-	-	-	-	-	-	-	-	
	Glucose	-	-	-	-	-	-	-	-	-	-	
	Nitrite	-	-	-	-	-	-	-	-	-	-	
	Occult blood	-	-	±	-	-	-	-	-	-	-	
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-	-
Epithelial cell		-	-	-	-	-	-	± ( Squamous epithelial )	-	-	-	
Crystals		++(Triple phosphate )	-	+(Triple phosphate )	++(Triple phosphate )	++(Triple phosphate )	±(Triple phosphate )	-	++ (Triple phosphate )	±(Triple phosphate )	+(Triple phosphate )	
第四組 (5000mg/kg) 公	分析項目/大鼠編號	61	62	63	64	65	66	67	68	69	70	
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
	SG (Specific Gravity)	1.020	1.024	1.010	1.012	1.011	1.009	1.034	1.034	1.021	1.036	
	Protein	+	++	+	+	+	±	++	+	+	++	
	Urobilinogen	-	-	-	-	-	-	-	-	-	-	
	PH	9.0	8.5	8.5	8.0	8.5	8.5	8.5	8.5	7.5	8.5	
	Ketone	+	±	-	+	±	-	++	+	+	+	
	Bilirubin	-	-	-	-	-	-	-	±	-	-	
	Glucose	-	-	-	-	-	-	-	-	-	-	
	Nitrite	-	-	-	-	-	-	-	-	-	-	
	Occult blood	-	±	-	±	-	-	-	-	-	-	
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-	-
Epithelial cell		-	-	-	-	-	-	-	-	-	-	
Crystals		-	-	++ (Triple phosphate )	-	-	-	-	+(Triple phosphate )	-	++ (Triple phosphate )	

第一組 (控制組) 母	分析項目/大鼠編號	11	12	13	14	15	16	17	18	19	20
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
	SG (Specific Gravity)	1.012	1.007	1.004	1.010	1.008	1.010	1.015	1.010	1.015	1.006
	Protein	-	-	-	-	-	-	-	-	-	-
	Urobilinogen	-	-	-	-	-	-	-	-	-	-
	PH	7.0	6.5	5.5	5.5	7.0	7.0	7.0	7.0	7.0	7.0
	Ketone	-	-	-	-	-	-	-	-	-	±
	Bilirubin	-	-	-	-	-	-	-	-	-	-
	Glucose	-	-	-	-	-	-	-	-	-	-
	Nitrite	-	-	-	-	-	-	-	-	-	-
	Occult blood	±	-	-	-	-	-	-	-	-	-
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-
		Epithelial cell	+ (Squamous epithelial)	-	+ (Squamous epithelial)	-	-	-	± (Squamous epithelial)	-	-
Crystals		-	-	-	+ (Triple phosphate)	± (Triple phosphate)	-	-	± (Triple phosphate)	-	
第二組 (1250mg/kg) 母	分析項目/大鼠編號	31	32	33	34	35	36	37	38	39	40
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
	SG (Specific Gravity)	1.020	1.010	1.012	1.032	1.015	1.025	1.026	1.030	1.030	1.015
	Protein	±	-	-	+	-	+	+	+	+	-
	Urobilinogen	-	-	-	-	-	-	-	-	-	-
	PH	7.5	7.0	7.0	7.0	6.5	7.0	7.0	7.0	7.0	7.0
	Ketone	-	-	-	-	-	-	-	-	-	-
	Bilirubin	-	-	-	-	-	-	-	-	-	-
	Glucose	-	-	-	-	-	-	-	-	-	-
	Nitrite	-	-	-	-	-	-	-	-	-	-
	Occult blood	-	-	-	-	-	-	-	-	-	-
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-
		Epithelial cell	-	-	-	-	-	-	-	-	-
Crystals		± (Triple phosphate)	++ (Triple phosphate)	++ (Triple phosphate)	-	++ (Triple phosphate)	+++ (Triple phosphate)	+(Triple phosphate)	+(Triple phosphate)	± (Triple phosphate)	+(Triple phosphate)

第三組 (2500mg/kg) 母	分析項目/大鼠編號	51	52	53	54	55	56	57	58	59	60	
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
	SG (Specific Gravity)	1.026	1.022	1.012	1.029	1.036	1.017	1.005	1.022	1.019	1.040	
	Protein	+	-	-	+	+	-	-	+	-	+	
	Urobilinogen	-	-	-	-	-	-	-	-	-	-	
	PH	7.0	7.0	7.0	6.5	6.0	7.0	6.5	6.0	7.0	6.0	
	Ketone	-	-	-	-	-	-	-	-	-	±	
	Bilirubin	-	-	-	-	-	-	-	-	-	-	
	Glucose	-	-	-	-	-	-	-	-	-	-	
	Nitrite	-	-	-	-	-	-	-	-	-	-	
	Occult blood	-	-	-	-	-	-	-	-	-	-	
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-	-
		Epithelial cell	-	± ( Squamous epithelial )	-	-	-	± ( Squamous epithelial )	± ( Squamous epithelial )	± ( Squamous epithelial )	-	-
Crystals		-	± (Triple phosphate )	+ (Triple phosphate )	++ (Triple phosphate )	-	± (Triple phosphate )	+ (Triple phosphate )	+ (Triple phosphate )	-	-	
第四組 (5000mg/kg) 母	分析項目/大鼠編號	71	72	73	74	75	76	77	78	79	80	
	Color	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
	SG (Specific Gravity)	1.020	1.007	1.024	1.018	1.023	1.017	1.020	1.006	1.029	1.016	
	Protein	+	-	+	-	+	-	±	-	+	±	
	Urobilinogen	-	-	-	-	-	-	-	-	-	-	
	PH	7.5	8.5	7.5	7.0	6.5	6.5	7.0	7.0	7.5	7.0	
	Ketone	-	±	±	-	+	-	-	-	-	-	
	Bilirubin	-	-	-	-	-	-	-	-	-	-	
	Glucose	-	-	-	-	-	-	-	-	-	-	
	Nitrite	-	-	-	-	-	-	-	-	-	-	
	Occult blood	-	-	-	-	-	-	-	-	-	-	
	Microscopic (h.p.f)	WBC	-	-	-	-	-	-	-	-	-	-
		RBC	-	-	-	-	-	-	-	-	-	-
		Epithelial cell	-	-	-	-	-	-	-	-	-	-
Crystals		+++ (Triple phosphate )	+ (Triple phosphate )	+ (Triple phosphate )	+ (Triple phosphate )	-	-	-	+ (Triple phosphate )	-	-	

第一組 (控制組)-公										
凝血功能項目(秒)	1	2	3	4	5	6	7	8	9	10
Clotting time	34	50	75	206	227	35	110	144	270	28
PT	24	20	27	29	27	15	26	26	26	21
APTT	46	45	38	57	46	42	48	53	52	48

第二組 (1250mg/kg)-公										
凝血功能項目(秒)	21	22	23	24	25	26	27	28	29	30
Clotting time	193	37	27	173	32	59	218	234	23	225
PT	28	10	26	29	15	17	30	33	24	27
APTT	47	46	48	44	42	22	43	34	50	51

第三組 (2500mg/kg)-公										
凝血功能項目(秒)	41	42	43	44	45	46	47	48	49	50
Clotting time	82	37	124	65	54	59	48	22	29	87
PT	18	31	25	26	20	29	31	19	24	24
APTT	46	39	46	50	30	47	47	44	41	38

第四組 (5000mg/kg)-公										
凝血功能項目(秒)	61	62	63	64	65	66	67	68	69	70
Clotting time	126	280	153	63	35	96	220	56	64	23
PT	28	28	22	24	20	32	27	31	35	22
APTT	45	49	41	51	42	49	48	35	33	42

第一組 (控制組)-母										
凝血功能項目(秒)	11	12	13	14	15	16	17	18	19	20
Clotting time	42	197	20	16	84	210	27	10	215	214
PT	24	24	22	24	26	31	23	26	31	30
APTT	35	51	48	49	44	49	40	53	49	46

第二組 (1250mg/kg)-母										
凝血功能項目(秒)	31	32	33	34	35	36	37	38	39	40
Clotting time	196	25	71	140	57	20	52	134	56	36
PT	26	26	24	24	25	22	21	21	26	20
APTT	42	45	48	57	48	37	32	48	25	45

第三組 (2500mg/kg)-母										
凝血功能項目(秒)	51	52	53	54	55	56	57	58	59	60
Clotting time	76	241	77	28	35	75	30	51	130	58
PT	29	29	31	24	12	20	21	29	33	29
APTT	34	53	45	43	45	46	45	41	54	41

第四組 (5000mg/kg)-母										
凝血功能項目(秒)	71	72	73	74	75	76	77	78	79	80
Clotting time	64	160	223	142	48	214	194	37	42	20
PT	26	24	30	19	24	30	30	17	21	20
APTT	44	48	48	45	48	49	51	24	45	47

第一組 (控制組)-公											
血液學檢驗項目		1	2	3	4	5	6	7	8	9	10
Hematocrit ; PCV (Man)	%	41	45	46	43	45	45	44	45	42	42
Hematocrit ; PCV (Auto)	%	43.3	46.4	47.9	46.1	47.3	45.0	48.7	48.3	45.3	42.3
RBC	$\times 10^6/\mu\text{L}$	7.23	7.19	7.62	7.75	7.43	7.29	7.87	8.07	7.16	7.16
Hemoglobin	g/dL	15.9	17.5	18.6	17.5	17.4	17.2	18.4	17.7	16.8	15.8
MCV	fl	59.9	64.5	62.9	59.5	63.7	61.7	61.9	59.9	63.3	59.1
MCH	pg	22.0	24.3	24.4	22.6	23.4	23.6	23.4	21.9	23.5	22.1
MCHC	g/dL	36.7	37.7	38.8	38.0	36.8	38.2	37.8	36.6	37.1	37.4
WBC	$10^3/\mu\text{L}$	9.6	15.5	15.0	7.8	8.0	6.4	7.4	8.4	13.1	7.7
Lymphocytes	$10^3/\mu\text{L}$	7.1	13.8	12.9	6.7	7.6	6.1	6.8	7.5	11.2	6.3
Monocytes	$/\mu\text{L}$	0	775	150	156	160	0	0	0	0	77
Eosinophils	$/\mu\text{L}$	96	0	150	156	80	0	0	84	131	77
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	0
PLT	$\times 10^3/\mu\text{L}$	779	512	331	211	191	617	584	499	855	758
第二組 (1250mg/kg)-公											
血液學檢驗項目		21	22	23	24	25	26	27	28	29	30
Hematocrit ; PCV (Man)	%	40	49	39	43	45	43	44	47	44	40
Hematocrit ; PCV (Auto)	%	41.7	49.5	42.9	44.6	48.5	42.6	45.1	47.1	43.5	42.3
RBC	$\times 10^6/\mu\text{L}$	7.1	8.02	7.27	7.67	7.58	7.24	7.5	7.75	7.22	7.14
Hemoglobin	g/dL	14.3	18	15.8	16.3	17.3	15.5	16.5	17.2	16	15.2
MCV	fl	58.7	61.7	59.0	58.1	64.0	58.8	60.1	60.8	60.2	59.2
MCH	pg	20.1	22.4	21.7	21.3	22.8	21.4	22.0	22.2	22.2	21.3
MCHC	g/dL	34.3	36.4	36.8	36.5	35.7	36.4	36.6	36.5	36.8	35.9
WBC	$10^3/\mu\text{L}$	8.5	9.7	13.3	13.6	11.7	9.7	11.8	12.0	15.2	6.0
Lymphocytes	$10^3/\mu\text{L}$	6.5	8.8	11.6	12.5	10.6	8.3	10.1	11.4	13.4	5.0
Monocytes	$/\mu\text{L}$	85	194	0	272	117	291	590	120	0	120
Eosinophils	$/\mu\text{L}$	255	0	266	0	0	194	118	0	0	60
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	0
PLT	$\times 10^3/\mu\text{L}$	562	762	647	853	455	665	561	686	189	648



第三組 (2500mg/kg)-公											
血液學檢驗項目		41	42	43	44	45	46	47	48	49	50
Hematocrit ; PCV (Man)	%	45	47	45	44	45	49	45	47	46	44
Hematocrit ; PCV (Auto)	%	46.4	47.2	45.9	46.4	47.2	49.5	44.4	47.1	46.5	44
RBC	$\times 10^6/\mu\text{L}$	7.89	7.76	7.36	7.64	8.03	7.75	6.83	7.97	7.76	7.54
Hemoglobin	g/dL	17.4	17.5	16.7	17.2	16.6	17.9	16.3	16.8	17	16.1
MCV	fl	58.8	60.8	62.4	60.7	58.8	63.9	65.0	59.1	59.9	58.4
MCH	pg	22.1	22.6	22.7	22.5	20.7	23.1	23.9	21.1	21.9	21.4
MCHC	g/dL	37.5	37.1	36.4	37.1	35.2	36.2	36.7	35.7	36.6	36.6
WBC	$10^3/\mu\text{L}$	11.8	12.2	12.1	8.2	10.1	9.2	10.0	11.0	10.6	7.9
Lymphocytes	$10^3/\mu\text{L}$	9.1	9.9	10.9	9.7	7.0	8.2	9.0	7.8	8.1	5.6
Monocytes	$/\mu\text{L}$	472	366	242	82	0	92	0	0	0	0
Eosinophils	$/\mu\text{L}$	118	244	0	216	202	184	0	330	212	316
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	0
PLT	$\times 10^3/\mu\text{L}$	704	790	701	166	711	626	842	740	625	591
第四組 (5000mg/kg)-公											
血液學檢驗項目		61	62	63	64	65	66	67	68	69	70
Hematocrit ; PCV (Man)	%	43	45	47	45	47	42	46	40	45	43
Hematocrit ; PCV (Auto)	%	43.9	45.8	45.2	48.2	46.0	44.7	45.8	45.7	45.3	46.2
RBC	$\times 10^6/\mu\text{L}$	7.72	7.71	7.48	7.95	7.53	7.5	7.41	7.76	7.97	7.86
Hemoglobin	g/dL	16.2	16.7	16.3	17.3	16.6	15.8	16.5	17.0	16.4	16.8
MCV	fl	56.9	59.4	60.4	60.6	61.1	59.6	61.8	58.9	56.8	58.8
MCH	pg	21.0	21.7	21.8	21.8	22.0	21.1	22.3	21.9	20.6	21.4
MCHC	g/dL	36.9	36.5	36.1	35.9	36.1	35.3	36.0	37.2	36.2	36.4
WBC	$10^3/\mu\text{L}$	13.2	9.9	10.5	7.7	7.3	11.1	9.2	7.7	12.6	8.9
Lymphocytes	$10^3/\mu\text{L}$	11.9	8.1	8.0	4.5	4.8	9.8	7.6	5.9	10.2	5.2
Monocytes	$/\mu\text{L}$	0	594	525	231	0	111	92	154	126	178
Eosinophils	$/\mu\text{L}$	0	99	315	231	0	222	184	231	126	178
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	89
PLT	$\times 10^3/\mu\text{L}$	659	632	560	186	592	644	583	627	633	595

第一組 (控制組)-母											
血液學檢驗項目		11	12	13	14	15	16	17	18	19	20
Hematocrit ; PCV (Man)	%	42	39	41	38	42	44	35	41	43	45
Hematocrit ; PCV (Auto)	%	46.6	41.1	42.4	39.6	43.5	42.8	35.5	45.6	47.1	46.9
RBC	$\times 10^6/\mu\text{L}$	6.69	6.20	6.51	6.12	7.15	6.56	5.77	7.32	7.08	7.53
Hemoglobin	g/dL	17.2	14.7	16.8	14.7	15.3	15.8	13.7	17.0	17.3	17.8
MCV	fl	69.7	66.3	65.1	64.7	60.8	65.2	61.5	62.3	66.5	62.3
MCH	pg	25.7	23.7	25.8	24.0	21.4	24.1	23.7	23.2	24.4	23.6
MCHC	g/dL	36.9	35.8	39.6	37.1	35.2	36.9	38.6	37.3	36.7	38.0
WBC	$10^3/\mu\text{L}$	6.3	7.6	7.6	6.3	4.6	4.4	11.0	7.3	6.5	5.8
Lymphocytes	$10^3/\mu\text{L}$	5.7	6.9	5.5	4.1	3.5	3.3	9.5	6.8	5.5	3.4
Monocytes	$/\mu\text{L}$	126	228	76	126	138	88	0	73	130	58
Eosinophils	$/\mu\text{L}$	0	76	152	63	0	0	110	73	130	232
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	0
PLT	$\times 10^3/\mu\text{L}$	591	248	681	558	267	675	542	548	570	336
第二組 (1250mg/kg)-母											
血液學檢驗項目		31	32	33	34	35	36	37	38	39	40
Hematocrit ; PCV (Man)	%	39	42	40	40	43	41	38	41	41	42
Hematocrit ; PCV (Auto)	%	40	40.7	41.9	43.4	44.4	41.5	43.6	41.8	43.5	43.6
RBC	$\times 10^6/\mu\text{L}$	6.24	6.77	6.79	7.21	7.01	6.81	6.95	6.68	6.53	6.83
Hemoglobin	g/dL	14.2	15.5	15.1	16.2	16.4	15.3	15.8	15.3	15.6	16
MCV	fl	64.1	60.1	61.7	60.2	63.3	60.9	62.7	62.6	66.6	63.8
MCH	pg	22.8	22.9	22.2	22.5	23.4	22.5	22.7	22.9	23.9	23.4
MCHC	g/dL	35.5	38.1	36.0	37.3	36.9	36.9	36.2	36.6	35.9	36.7
WBC	$10^3/\mu\text{L}$	90.0	4.5	4.8	3.6	6.4	3.8	10.0	3.8	5.6	9.5
Lymphocytes	$10^3/\mu\text{L}$	3.7	4.2	4.4	2.8	5.4	2.9	8.3	3.5	4.9	9.0
Monocytes	$/\mu\text{L}$	0	45	0	0	64	76	0	0	56	95
Eosinophils	$/\mu\text{L}$	90	45	48	72	64	76	0	0	56	95
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	0
PLT	$\times 10^3/\mu\text{L}$	350	603	788	699	698	668	447	388	543	376

第三組 (2500mg/kg)-母											
血液學檢驗項目		51	52	53	54	55	56	57	58	59	60
Hematocrit ; PCV (Man)	%	42	42	38	37	38	46	45	42	39	42
Hematocrit ; PCV (Auto)	%	44.5	42.2	40.3	42.4	43.1	46.4	40.0	43.4	42.2	44
RBC	$\times 10^6/\mu\text{L}$	6.85	6.68	6.37	6.64	6.72	7.23	6.18	6.76	6.41	7.11
Hemoglobin	g/dL	16.1	15.1	14.4	15.2	15.5	17.4	14.5	16.0	15.4	16.1
MCV	fl	65.0	63.2	63.3	63.9	64.1	64.2	64.7	64.2	65.8	61.9
MCH	pg	23.5	22.6	22.6	22.9	23.1	24.1	23.5	23.7	24.0	22.6
MCHC	g/dL	36.2	35.8	35.7	35.8	36.0	37.5	36.3	36.9	36.5	36.6
WBC	$10^3/\mu\text{L}$	9.6	12.6	12.0	6.0	6.0	8.7	6.8	12.6	7.4	7.9
Lymphocytes	$10^3/\mu\text{L}$	7.1	11.5	10.0	5.3	4.7	7.7	4.7	10.5	6.1	6.9
Monocytes	$/\mu\text{L}$	192	0	120	60	60	87	136	252	148	158
Eosinophils	$/\mu\text{L}$	384	126	360	0	120	0	0	252	148	237
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	0	0	0
PLT	$\times 10^3/\mu\text{L}$	734	233	273	231	245	673	682	616	716	231
第四組 (5000mg/kg)-母											
血液學檢驗項目		71	72	73	74	75	76	77	78	79	80
Hematocrit ; PCV (Man)	%	38	39	40	42	43	38	38	43	42	40
Hematocrit ; PCV (Auto)	%	42.3	42.5	44.3	41.4	42.4	40.0	38.7	43.3	42.5	43.0
RBC	$\times 10^6/\mu\text{L}$	6.7	6.74	6.77	6.9	6.94	6.1	5.94	7.02	6.71	6.8
Hemoglobin	g/dL	15.5	15.7	16.2	16.1	15.8	15.2	14.4	16.7	16.1	16.1
MCV	fl	63.1	63.1	65.4	60.0	61.1	65.6	65.2	61.7	63.3	63.2
MCH	pg	23.1	23.3	23.9	23.3	22.8	24.9	24.2	23.8	24.0	23.7
MCHC	g/dL	36.6	36.9	36.6	38.9	37.3	38.0	37.2	38.6	37.9	37.4
WBC	$10^3/\mu\text{L}$	10.9	5.3	7.5	5.9	4.2	8.6	11.2	9.7	9.5	6.2
Lymphocytes	$10^3/\mu\text{L}$	8.1	4.5	6.2	5.3	3.6	8.0	10.1	8.1	6.9	5.7
Monocytes	$/\mu\text{L}$	109	53	0	0	0	86	224	485	285	62
Eosinophils	$/\mu\text{L}$	109	0	150	59	42	86	112	0	380	124
Basophils.	$/\mu\text{L}$	0	0	0	0	0	0	0	97	0	0
PLT	$\times 10^3/\mu\text{L}$	413	433	298	529	465	400	489	527	524	469



第三組 (2500mg/kg)-公											
血清生化學項目		41	42	43	44	45	46	47	48	49	50
TSP	g/dL	6.8	7.2	7.3	7.1	6.9	6.7	7.1	6.6	6.7	7.1
Albumin	g/dL	3.7	3.8	3.7	3.6	3.7	4.6	3.5	4.1	3.6	4.2
Globulin	g/dL	3.10	3.40	3.60	3.50	3.20	2.1	3.6	2.5	3.1	2.9
AST	U/L	85	73	74	61	88	67	70	71	88	76
ALT	U/L	20	22	30	13	22	25	28	22	24	22
ALP	U/L	289	223	229	199	238	210	287	218	223	249
T. Bilirubin	mg/dL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cholesterol	mg/dL	48	62	72	71	62	82	90	60	60	119
Triglyceride	mg/dL	38	49	48	28	49	88	89	73	58	97
Glucose	mg/dL	146	174	141	194	236	187	211	189	172	133
BUN	mg/dL	17.5	18.7	16.4	14.0	17	13.4	14.5	14.9	15.1	12.8
Creatinine	mg/dL	0.4	0.2	0.3	0.2	0.4	0.2	0.2	0.1	0.3	0.1
Ip	mg/dL	10.7	8.5	10.3	8.1	8.3	7.5	9.6	6.0	7.6	7
Ca <sup>2+</sup>	mg/dL	9.5	10.3	11.5	9.7	9.4	9.8	10.0	10	9.2	9.9
Na <sup>+</sup>	mEg/L	138	141	137	139	141	137	141	139	141	142
K <sup>+</sup>	mEg/L	4.1	3.9	4.0	4.1	4.2	3.7	3.8	4.3	4.2	3.7
Cl <sup>-</sup>	mEg/L	91	92	88	92	93	91	93	90	91	96
血漿顏色		clear	clear	clear	clear	clear	clear	clear	clear	clear	clear

第四組 (5000mg/kg)-公											
血清生化學項目		61	62	63	64	65	66	67	68	69	70
TSP	g/dL	6.3	7.2	6.3	7.6	6.8	7.0	6.6	7.3	6.9	6.6
Albumin	g/dL	3.7	3.9	3.8	4.3	3.3	3.5	3.7	4.6	3.7	3.6
Globulin	g/dL	2.6	3.3	2.5	3.3	3.5	3.5	2.9	2.7	3.2	3.0
AST	U/L	58	54	72	111	67	60	49	77	58	69
ALT	U/L	19	17	26	33	22	14	14	19	14	19
ALP	U/L	192	213	380	289	246	205	111	398	230	210
T. Bilirubin	mg/dL	0.2	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Cholesterol	mg/dL	64	66	49	53	63	54	63	56	45	68
Triglyceride	mg/dL	64	57	47	68	28	48	51	60	65	53
Glucose	mg/dL	199	181	210	124	198	172	156	163	154	222
BUN	mg/dL	18.6	17.2	21.6	20.5	20.6	17.9	19.7	18.2	19.0	16.4
Creatinine	mg/dL	0.4	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3
Ip	mg/dL	12.3	8.9	10.2	6.7	10.8	10	8	9.4	9.3	6.8
Ca <sup>2+</sup>	mg/dL	10	10.8	9.6	9.9	10.2	8.5	10.4	10.5	9.4	10
Na <sup>+</sup>	mEg/L	138	140	138	137	138	137	139	135	137	137
K <sup>+</sup>	mEg/L	4.1	4.2	4.2	3.9	4.2	4.3	4.3	4.0	4.0	4.3
Cl <sup>-</sup>	mEg/L	93	92	90	92	92	93	85	92	90	96

血漿顏色

clear clear clear clear clear clear clear clear clear clear

第一組 (控制組)-母

血清生化學項目		11	12	13	14	15	16	17	18	19	20
TSP	g/dL	8.2	9.2	8.1	7.6	7.6	8.3	6.6	7.3	7.6	7.8
Albumin	g/dL	4.9	5.6	5.1	4.9	4.7	4.7	4.2	5.2	4.3	4.1
Globulin	g/dL	3.3	3.6	3.0	2.7	2.9	3.6	2.4	2.1	3.3	3.7
AST	U/L	57	74	90	85	60	79	68	113	51	99
ALT	U/L	16	35	27	18	27	27	22	22	12	33
ALP	U/L	107	69	79	97	218	123	163	92	93	67
T. Bilirubin	mg/dL	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.2
Cholesterol	mg/dL	91	82	85	81	76	86	66	115	101	91
Triglyceride	mg/dL	39	91	31	66	68	22	31	53	37	30
Glucose	mg/dL	145	185	119	172	175	149	154	159	151	124
BUN	mg/dL	16.7	11.8	12.3	15.8	16.0	14.3	11.3	14.4	17.7	14.4
Creatinine	mg/dL	0.3	0.2	0.1	0.4	0.2	0.3	0.3	0.3	0.3	0.3
Ip	mg/dL	5.1	5.2	6.4	6.2	6.2	7.1	7.9	6.7	7.4	7.6
Ca <sup>2+</sup>	mg/dL	9.6	10.6	8.0	9.7	10.7	10.8	10.2	10.9	10.4	10.9
Na <sup>+</sup>	mEq/L	138	137	136	140	136	136	140	140	137	137
K <sup>+</sup>	mEq/L	4.4	4.7	4.0	4.6	4.3	4.5	4.2	5.9	4.7	4.3
Cl <sup>-</sup>	mEq/L	85	85	84	90	89	86	95	97	91	84
血漿顏色		clear	clear	clear	clear	clear	clear	clear	clear	clear	clear

第二組 (1250mg/kg)-母

血清生化學項目		31	32	33	34	35	36	37	38	39	40
TSP	g/dL	7.7	8.0	8.1	8.5	7.6	7.5	6.8	8.1	7.5	6.9
Albumin	g/dL	4.5	4.8	4.7	4.6	5.0	4.3	5.1	4.6	4.7	4.3
Globulin	g/dL	3.20	3.20	3.40	3.90	2.60	3.20	1.70	3.50	2.80	2.60
AST	U/L	63	56	58	65	66	68	81	53	66	50
ALT	U/L	20	11	11	19	16	16	11	8	16	11
ALP	U/L	268	137	112	98	119	216	142	115	129	154
T. Bilirubin	mg/dL	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2
Cholesterol	mg/dL	86	118	102	127	69	88	62	77	117	68
Triglyceride	mg/dL	37	38	37	34	29	36	34	33	27	35
Glucose	mg/dL	122	168	158	167	152	153	216	157	143	210
BUN	mg/dL	16.9	17	14.6	15	19.3	15	19.7	14.2	15.6	16.4
Creatinine	mg/dL	0.3	0.3	0.3	0.1	0.4	0.3	0.3	0.3	0.2	0.3
Ip	mg/dL	8.2	6.8	8.5	6.8	5.2	6.8	9	6.3	9.6	6.6
Ca <sup>2+</sup>	mg/dL	10.1	10.1	10	10.3	10.4	10.4	10.8	10.2	10.4	9.4
Na <sup>+</sup>	mEq/L	136	140	140	137	136	137	138	136	138	138
K <sup>+</sup>	mEq/L	3.9	4.6	5.7	4.5	4.4	4.3	4.6	4.6	4.5	5.1

Cl <sup>-</sup>	mEg/L	87	89	87	92	87	87	92	88	90	90
血漿顏色		clear	clear	clear	clear	clear	clear	clear	clear	clear	clear

第三組 (2500mg/kg)-母

血清生化學項目		51	52	53	54	55	56	57	58	59	60
TSP	g/dL	7.6	8.1	8.5	7.7	8.1	7.9	7.7	7.9	7.4	7.8
Albumin	g/dL	4.2	4.8	5.0	4.4	5.4	4.8	4.1	5.3	4.7	4.6
Globulin	g/dL	3.4	3.3	3.5	3.3	2.7	3.1	3.6	2.6	2.7	3.2
AST	U/L	71	82	110	61	69	97	84	68	57	60
ALT	U/L	18	28	24	14	18	30	20	41	15	12
ALP	U/L	138	124	101	138	104	125	85	431	100	172
T. Bilirubin	mg/dL	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.2	0.1
Cholesterol	mg/dL	65	89	113	80	75	107	103	79	92	76
Triglyceride	mg/dL	21	36	27	43	47	27	23	234	46	42
Glucose	mg/dL	121	142	160	152	162	111	158	137	161	144
BUN	mg/dL	16.1	22.6	15.4	15.3	13.9	17.7	18.1	20.7	22.4	13.7
Creatinine	mg/dL	0.3	0.4	0.2	0.4	0.3	0.3	0.4	0.3	0.5	0.3
Ip	mg/dL	8.3	6.8	6.8	8	7.7	7.6	7	4.9	8.5	8
Ca <sup>2+</sup>	mg/dL	9.6	11.3	11.0	10.4	10.6	10.4	10.8	11.1	10.4	10.1
Na <sup>+</sup>	mEg/L	138	141	137	141	141	139	141	140	139	138
K <sup>+</sup>	mEg/L	4.6	4.5	4.1	3.5	3.7	3.4	4.7	3.2	4.1	4.2
Cl <sup>-</sup>	mEg/L	88	91	86	91	90	91	91	98	90	93
血漿顏色		clear	clear	clear	clear	clear	clear	clear	clear	clear	clear

第四組 (5000mg/kg)-母

血清生化學項目		71	72	73	74	75	76	77	78	79	80
TSP	g/dL	7.5	8.3	7.4	7.4	7.9	7.7	6.9	7.0	7.4	7.9
Albumin	g/dL	5.1	5.2	4.7	4.5	5.3	5.0	4.2	3.8	4.4	5.3
Globulin	g/dL	2.4	3.1	2.7	2.9	2.6	2.7	2.7	3.2	3.0	2.6
AST	U/L	66	76	60	55	98	96	56	148	77	66
ALT	U/L	18	23	10	21	18	17	9	20	13	13
ALP	U/L	160	97	128	116	74	71	154	130	132	243
T. Bilirubin	mg/dL	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2
Cholesterol	mg/dL	105	72	61	78	99	117	89	69	61	103
Triglyceride	mg/dL	61	150	32	44	28	34	46	44	31	57
Glucose	mg/dL	183	164	161	184	130	155	151	195	176	167
BUN	mg/dL	17	16.9	18.2	16	17.5	22.9	17.8	17.6	18.0	20
Creatinine	mg/dL	0.2	0.2	0.5	0.3	0.2	0.4	0.3	0.3	0.3	0.4
Ip	mg/dL	7.1	6.2	5.8	5.8	5.4	5.8	4.7	7.7	5.2	4.9
Ca <sup>2+</sup>	mg/dL	10.4	10.8	10.0	9.8	10.4	10.3	10.4	9.7	9.7	10.5
Na <sup>+</sup>	mEg/L	139	137	136	140	138	140	139	141	139	140

