

1,4-ジオキサンのラット及びマウスを用いた
経口(混水)投与によるがん原性試験

APPENDIX

X-1

がん原性試験 NO. 0063 ; 0064

APPENDIX X1

HISTOLOGICAL FINDINGS (INDIVIDUAL)

RAT:MALE

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1001	DEAD	102-3	skin/app	squamous cell carcinoma,' 4'
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium
			trachea	NON-REMARKABLE
			lung/branch	congestion,<3>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//adenoma,' 1'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 2

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1001	DEAD	102-3	thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:cortical cell,<2>
			testis	interstitial cell tumor,'1'
			epididymis	spermatogenic granuloma,<3>
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
			Cause of Death	tumor death (SKIN TUMOR)
1002	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 3

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1002	SCHEDULED	105-1	lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//acidophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<2>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

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' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1002	SCHEDULED	105-1	testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			1003	SCHEDULED
nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<2>,respiratory epithelium			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	thymoma:benign,'0',epithelial type			

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 5

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1003	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>//granulation,<1>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 6

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1003	SCHEDULED	105-1	mammary gl	cyst,<2>
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1004	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<2>
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<2>
			tongue	NON-REMARKABLE

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1004	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//acidophilic cell focus,<1>//thrombus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1004	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
1005	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//eosinophilic change:olfactory epithelium,<1>// inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tooth	dysplasia,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
esophagus	NON-REMARKABLE			

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1005	SCHEDULED	105-1	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>

():Comment

<1>:Slight

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1005	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1006	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>			
pancreas	atrophy,<1>			

():Comment

<1>:Slight

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1006	SCHEDULED	105-1	kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	adenoma,'0'
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1007	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1007	SCHEDULED	105-1	trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//granulation,<1>//spongiosis hepatis,<1>//acidophilic cell focus,<1>//fatty change,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1007	SCHEDULED	105-1	adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
1008	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1008	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<3>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1008	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1009	SCHEDULED	105-1	adipose	granulation,<1>
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//respiratory metaplasia,<1>, olfactory epithelium
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1009	SCHEDULED	105-1	heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//herniation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1009	SCHEDULED	105-1	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1010	DEAD	97-7	skin/app	NON-REMARKABLE
			subcutis	fibroma,'1'
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<2>,with,edema
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	hemangi endothelioma,'3'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

():Comment

<1>:Slight

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1010	DEAD	97-7	forestomach	hyperplasia,<2>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	atrophy,<1>
			kidney	tubular necrosis,<2>//deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1010	DEAD	97-7	eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (SPLEEN TUMOR)
1011	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1011	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<2>//granulation,<1>//peliosis-like lesion,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>//hyperplasia,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>//adenoma,'0'
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 21

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1011	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1012	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//acidophilic cell focus,<1>
			pancreas	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1012	SCHEDULED	105-1	kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
1013	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>,

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 23

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1013	SCHEDULED	105-1		respiratory epithelium
			trachea	NON-REMARKABLE
			lung/bronch	osseous metaplasia,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//vacuolated cell focus,<2>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 24

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1013	SCHEDULED	105-1	thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:cortical cell,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
1014	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1014	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//cyst,<1>//adenoma,' 0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1014	SCHEDULED	105-1	testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1015	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	squamous cell carcinoma,'0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1015	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//fatty change,<2>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:cortical cell,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1015	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1016	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibrosarcoma,'0'
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
tongue	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 29

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1016	SCHEDULED	105-1	salivary gl	metastasis:subcutis tumor,<3>
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 30

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1016	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1017	SCHEDULED	105-1	adipose	granulation,<1>
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
esophagus	NON-REMARKABLE			
gl stomach	atrophy:glandular mucosa,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 31

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1017	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//clear cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1017	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1018	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,' 0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	papilloma,' 0'
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//granulation,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1018	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,' 0'
			adrenal	hyperplasia:medulla,<2>
			testis	NON-REMARKABLE
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
peritoneum	mesothelioma,' 0'			
1019	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1019	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//vacuolated cell focus,<1>//fatty change,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell adenoma,'0'

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1019	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,'0'
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	adenoma,'0'
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
1020	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<2>, respiratory epithelium
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1020	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1020	SCHEDULED	105-1	testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<2>//phthisis bulbi,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			1021	DEAD
nasal cavit	deposit of calcium,<1>			
trachea	NON-REMARKABLE			
Lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			
spleen	deposit of hemosiderin,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 38

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1021	DEAD	100-6	heart	myocardial fibrosis,<2>//thrombus,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//fatty change,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	C-cell carcinoma,'3'
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1021	DEAD	100-6	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (THYROID TUMOR)
1022	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1022	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenocarcinoma,'0'
			adrenal	hyperplasia:medulla,<1>//cortical adenoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1022	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
1023	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 42

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1023	SCHEDULED	105-1	Liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,' 0'
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,' 0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>//inflammation,<3>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1023	SCHEDULED	105-1	bone	NON-REMARKABLE
1024	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/bronch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//acidophilic cell focus,<1>//spongiosis hepatis,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1024	SCHEDULED	105-1	pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
1025	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1025	SCHEDULED	105-1	Lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<1>//acidophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1025	SCHEDULED	105-1	testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			1026	SCHEDULED
nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NOT-EXAMINE			
spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1026	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			tooth	dysplasia,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 48

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1026	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1027	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 49

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1027	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//hyperplasia,<1>//vacuolated cell focus,<1>//acidophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1027	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1028	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>//mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//acidophilic cell focus,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1028	SCHEDULED	105-1	pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	fibroadenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1029	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1029	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//vacuolated cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	C-cell adenoma,'0'

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 53

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1029	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	deposit of calcium,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1030	DEAD	103-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1030	DEAD	103-7	thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>//tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'3'
			thyroid	C-cell adenoma,'1'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1030	DEAD	103-7	prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
1031	SCHEDULED	105-1	skin/app	keratoacanthoma,' 0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,' 0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1031	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//hyperplasia,<1>//basophilic cell focus,<1>//clear cell focus,<1>//acidophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1031	SCHEDULED	105-1	brain	hyaline body,<1>//deposit of calcium,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1032	MORIBUND	97-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium//thrombus,<3>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<2>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 58

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1032	MORIBUND	97-7	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//collapse,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	inflammation,<3>
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 59

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1032	MORIBUND	97-7	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			peritoneum	mesothelioma,'4'
			Cause of Death	tumor death (MESOTHELIOMA)
1033	DEAD	100-7	skin/app	NON-REMARKABLE
			subcutis	fibroma,'1'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	pneumonia:NOS,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 60

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1033	DEAD	100-7	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//necrosis:central,<3>
			pancreas	atrophy,<3>
			kidney	chronic nephropathy,<3>//tubular necrosis,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//keratitis,<2>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 61

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1033	DEAD	100-7	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	pneumonia
1034	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			artery/aort	arteritis,<3>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 62

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1034	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 63

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1034	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
1035	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar carcinoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<3>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
liver	bile duct hyperplasia,<1>//spongiosis hepatis,<2>			
pancreas	atrophy,<1>			

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 64

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1035	SCHEDULED	105-1	kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//cyst,<1>
			thyroid	C-cell hyperplasia,<2>
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,'0'
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1036	DEAD	96-3	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 65

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1036	DEAD	96-3	nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenoma,'1'

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 66

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1036	DEAD	96-3	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	adenoma,'1'
			mammary gl	NON-REMARKABLE
			brain	leukemic cell infiltration,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
		Cause of Death	tumor death (LEUKEMIA)	
1037	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 67

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1037	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//acidophilic cell focus,<1>//mixed cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 68

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1037	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1038	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1038	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//basophilic cell focus,<1>//acidophilic cell focus,<1>
			pancreas	atrophy,<3>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 70

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1038	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1039	MORIBUND	98-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	hypoplasia,<2>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<3>
			heart	myocardial fibrosis,<2>
			tooth	inflammation,<2>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1039	MORIBUND	98-7	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//deposit of hemosiderin,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//deposit of hemosiderin,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'4'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 72

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1039	MORIBUND	98-7	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
1040	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 73

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1040	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1040	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1041	MORIBUND	86-4	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<4>
			bone marrow	hypoplasia,<2>
			lymph node	NON-REMARKABLE
			thymus	hemorrhage,<2>
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1041	MORIBUND	86-4	Liver	bile duct hyperplasia,<1>//fatty change,<1>//leukemic cell infiltration,<3>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<2>//leukemic cell infiltration,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'2'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//metastasis:pituitary tumor,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1041	MORIBUND	86-4	adipose	granulation,<1>
			Cause of Death	tumor death (LEUKEMIA)
1042	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//acidophilic cell focus,<1>
			pancreas	atrophy,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 77

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1042	SCHEDULED	105-1	kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1043	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 78

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1043	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	osteosarcoma,' 0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//clear cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 79

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1043	SCHEDULED	105-1	adrenal	pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1044	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<2>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1044	SCHEDULED	105-1	thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1044	SCHEDULED	105-1	prostate	adenoma,' 0'
			mammary gl	NON-REMARKABLE
			prep/cli gl	inflammation,<3>
			brain	hyaline body,<1>//deposit of calcium,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1045	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1045	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			panc islet	islet cell adenoma,'0'
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1045	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1046	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1046	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<1>//mixed cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<3>
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1046	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
1047	MORIBUND	65-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
Large intes	NON-REMARKABLE			
Liver	bile duct hyperplasia,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 86

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1047	NORIBUND	65-7	pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

Cause of Death no microscopical confirmation

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1048	SCHEDULED	105-1	skin/app	trichoepithelioma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar carcinoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//vacuolated cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1048	SCHEDULED	105-1	thyroid	C-cell carcinoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
1049	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 89

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1049	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//vacuolated cell focus,<1>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 90

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1049	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<2>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
1050	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	squamous cell carcinoma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/bronch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
artery/aort	arteritis,<1>			

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 91

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1050	SCHEDULED	105-1	tooth	dysplasia,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//spongiosis hepatis,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1050	SCHEDULED	105-1	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

(HPT050)

BAIS2

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1101	DEAD	65-3	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<2>,with,edema
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	hemorrhage,<1>
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 94

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1101	DEAD	65-3	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	granular cell tumor,'4'
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
			Cause of Death	tumor death (BRAIN TUMOR)
1102	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 95

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1102	SCHEDULED	105-1	Lung/branch	NON-REMARKABLE
			bone marrow	granulation,<2>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//mixed cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1102	SCHEDULED	105-1	testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			1103	SCHEDULED
nasal cavit	deposit of calcium,<1>			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	granulation,<2>			
thymus	NON-REMARKABLE			
spleen	deposit of hemosiderin,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1103	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//vacuolated cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<1>//hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1103	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
1104	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			subcutis	fibroma,' 0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1104	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<2>//vacuolated cell focus,<1>//mixed cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 100

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1104	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1105	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	bile duct hyperplasia,<2>//clear cell focus,<1>//basophilic cell focus,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

GROUP NAME : 200 ppm

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1105	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<3>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	hyperplasia,<2>
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1106	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1106	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<2>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<1>//hyperplasia,<2>
			thyroid	C-cell hyperplasia,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1106	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			Zymbal gl	Zymbal gland tumor:malignant,'0'
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
adipose	granulation,<1>			
1107	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //eosinophilic change:respiratory epithelium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1107	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	osteosarcoma,'0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	thymoma:benign,'0',epithelial type
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//vacuolated cell focus,<2>//granulation,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//adenoma,'0',pars intermedia
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1107	SCHEDULED	105-1	adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			1108	SCHEDULED
nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium			
trachea	NON-REMARKABLE			
Lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NOT-EXAMINE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1108	SCHEDULED	105-1	spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<3>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1108	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1109	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/bronch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<3>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1109	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<1>//mixed cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1109	SCHEDULED	105-1	eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1110	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	bile duct hyperplasia,<2>//hyperplasia,<2>//spongiosis hepatis,<1>//basophilic cell focus,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 110

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1110	SCHEDULED	105-1	pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	pheochromocytoma,' 0'
			testis	interstitial cell hyperplasia,<2>
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1111	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 111

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1111	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<2>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//mixed cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1111	SCHEDULED	105-1	thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
1112	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 113

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1112	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//uacuolated cell focus,<2>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1112	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	inflammation,<2>
			muscle	NON-REMARKABLE
1113	DEAD	95-6	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	metastasis:peritoneum tumor,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	metastasis:peritoneum tumor,<3>
			thymus	hemorrhage,<3>
			spleen	metastasis:peritoneum tumor,<2>
			heart	myocardial fibrosis,<2>
tongue	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

PAGE : 115

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1113	DEAD	95-6	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1113	DEAD	95-6	periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			peritoneum	mesothelioma,'4'
			Cause of Death	tumor death (MESOTHELIOOMA)
1114	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<2>, respiratory epithelium//respiratory metaplasia,<1>,olfactory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	thrombus,<2>,organization
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 117

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1114	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//clear cell focus,<1>//vacuolated cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 118

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1114	SCHEDULED	105-1	eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1115	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	osseous metaplasia,<1>//metastasis:thyroid tumor,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 119

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1115	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	C-cell carcinoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1116	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

GROUP NAME : 200 ppm

PAGE : 120

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1116	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<3>
			oral cavity	inflammation,<3>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>//ulcer,<3>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>//fatty change,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>//hyperplasia,<2>
			urin bladd	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1116	SCHEDULED	105-1	pituitary	adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<3>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
1117	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1117	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<3>
			tooth	dysplasia,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//acidophilic cell focus,<1>//vacuolated cell focus,<1>
			pancreas	NON-REMARKABLE
			Kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1117	SCHEDULED	105-1	adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1118	MORIBUND	85-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium//thrombus,<2>
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<2>
			lymph node	leukemic cell infiltration,<3>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1118	MORIBUND	85-7	thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	thrombus,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<3>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<3>
			pancreas	atrophy,<2>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1118	MORIBUND	85-7	prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
1119	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 126

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1119	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 127

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1119	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
1120	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 128

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1120	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//mixed cell focus,<2>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 129

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1120	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1121	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//eosinophilic change:olfactory epithelium,<2>// inflammation:foreign body,<2>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>//vacuolated cell focus,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1121	SCHEDULED	105-1	pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1122	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1122	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			thymus	NOT-EXAMINE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1122	SCHEDULED	105-1	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
1123	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1123	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>//Lipoma,'0'
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1123	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1124	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1124	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//basophilic cell focus,<1>//acidophilic cell focus,<1>// mixed cell focus,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 136

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1124	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1125	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 137

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1125	SCHEDULED	105-1	large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1125	SCHEDULED	105-1	bone	NON-REMARKABLE
1126	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//acidophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 139

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1126	SCHEDULED	105-1	pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
1127	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//inflammation:foreign body,<3>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 140

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1127	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//basophilic cell focus,<2>//vacuolated cell focus,<1>// acidophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma, '0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 141

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1127	SCHEDULED	105-1	testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
1128	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<2>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 142

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1128	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//vacuolated cell focus,<1>//clear cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	ganglioneuroma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 143

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1128	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1129	SCHEDULED	105-1	adipose	granulation,<1>
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	myocardial fibrosis,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 144

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1129	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>//mixed cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	C-cell adenoma,'0' //C-cell carcinoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 145

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1129	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1130	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	interstitial penumonia,<1>//bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1130	SCHEDULED	105-1	large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//necrosis:focal,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 147

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1130	SCHEDULED	105-1	bone	NON-REMARKABLE
1131	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,' 0'
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<2>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>//fibrosis,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//vacuolated cell focus,<1>//acidophilic cell focus,<1>
			pancreas	atrophy,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1131	SCHEDULED	105-1	kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>//pheochromocytoma:malignant,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	adenoma,'0'
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1132	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : .200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 149

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1132	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 150

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1132	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1133	SCHEDULED	105-1	skin/app	keratoacanthoma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/bronch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1133	SCHEDULED	105-1	thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//spongiosis hepatis,<1>//acidophilic cell focus,<1>//fatty change,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<1>//adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>//pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 152

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1133	SCHEDULED	105-1	prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
1134	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	myocardial fibrosis,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1134	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//granulation,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,'0'
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1134	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1135	DEAD	67-4	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1135	DEAD	67-4	Large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>
			pancreas	atrophy,<3>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'3'
			thyroid	goiter,<3>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	NON-REMARKABLE
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1135	DEAD	67-4	bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
1136	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			Large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//hyperplasia,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1136	SCHEDULED	105-1	pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1137	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1137	SCHEDULED	105-1	nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			thymus	NOT-EXAMINE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<2>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//granulation,<3>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 159

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1137	SCHEDULED	105-1	thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
1138	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//respiratory metaplasia,<1>,olfactory epithelium//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1138	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//cyst formation,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1138	SCHEDULED	105-1	epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1139	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //eosinophilic change:respiratory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 162

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1139	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//granulation,<1>//hepatocellular adenoma,' 0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<2>//adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,' 0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1139	SCHEDULED	105-1	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1140	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1140	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//granulation,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	C-cell adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	fibroadenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1140	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1141	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	papilloma,'0'
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<1>//herniation,<1>//granulation,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1141	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
adipose	granulation,<1>			
1142	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1142	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//mixed cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//cyst,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	nodular goiter,<2>
			parathyroid	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1142	SCHEDULED	105-1	adrenal	pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			peritoneum	mesothelioma,'0'
			adipose	granulation,<1>
1143	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	ossecous metaplasia,<1>
			bone marrow	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1143	SCHEDULED	105-1	Lymph node	granulation,<1>
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//hepatocellular adenoma,'0'
			pancreas	NOT-EXAMINE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1143	SCHEDULED	105-1	semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1144	DEAD	95-6	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium//thrombus,<3>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>
			heart	myocardial fibrosis,<1>//thrombus,<2>,organization
			tongue	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1144	DEAD	95-6	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//necrosis:centeral,<3>
			pancreas	atrophy,<1>
			kidney	tubular necrosis,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	preputial gland tumor,'2'
			brain	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1144	DEAD	95-6	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	hepatic lesion
1145	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<3>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1145	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<1>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1145	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1146	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	bile duct hyperplasia,<2>//spongiosis hepatitis,<1>//acidophilic cell focus,<1>//granulation,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 175

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1146	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<2>
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
1147	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1147	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//vacuolated cell focus,<1>//acidophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	C-cell adenoma,' 0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1147	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'0'
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	inflammation,<2>
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
adipose	granulation,<1>			
1148	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/bronch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 178

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1148	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<2>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,' 0'
			testis	interstitial cell tumor,' 0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1148	SCHEDULED	105-1	epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
1149	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 180

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1149	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<3>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//spongiosis hepatis,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1149	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
1150	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//eosinophilic change:olfactory epithelium,<1>// inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<2>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1150	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//herniation,<2>//basophilic cell focus,<1>//leukemic cell infiltration,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 183

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1150	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

(HPT050)

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