

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : MALE

GROUP NAME : 600 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
1340	SCHEDULED	105-6	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
1341	DEAD	63-7	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			subcutis	schwannoma:malignant,'4'
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	reticulosis,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE

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

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 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1341	DEAD	63-7	spleen	extramedullary hematopoiesis, <3>
			heart	thrombus, <1>, left atrium
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	necrosis:central, <1>
			pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule, <1>, straight portion
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	NON-REMARKABLE
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	NON-REMARKABLE

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

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HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105#)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1341	DEAD	63-7	mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	necrosis, <1>, with mineralization
			bone	NON-REMARKABLE
			Cause of Death	tumor death:subcutis
1342	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			subcutis	fibroma, '0'
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	granulation, <1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
spleen	NON-REMARKABLE			

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 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1342	SCHEDULED	105-7	heart	NON-REMARKABLE
			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,<1>//herniation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>,straight portion
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	atrophy,<1>//interstitial cell tumor,'0'
			epididymis	NON-REMARKABLE
			semin ves	NON-REMARKABLE
			prostate	hyperplasia,<1>
			mammary gl	NON-REMARKABLE

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 ALL ANIMALS (0-105W)

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1342	SCHEDULED	105-7	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1343	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1343	SCHEDULED	105-7	stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>,straight portion// hyperplasia:tubular epithelial cell,<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	adenoma,'0'
			mammary gl	adenocarcinoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
1343	SCHEDULED	105-7	eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1344	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'
			nasal cavit	thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
stomach	NON-REMARKABLE			
small intes	NON-REMARKABLE			

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1344	SCHEDULED	105-7	large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//mixed cell focus,<1>//leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//nuclear enlargement:proximal tubule,<2>,straight portion// atypical tubular dilatation:proximal tubule,<1>,straight portion
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	leukemic cell infiltration,<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	NON-REMARKABLE
			Harder gl	NON-REMARKABLE

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 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1344	SCHEDULED	105-7	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1345	NORIBUND	98-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	ulcer:forestomach,<2>//ulcer:glandular stomach,<1>//hyperplasia:forestomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	fatty change,<1>,portal region
			pancreas	NON-REMARKABLE

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1345	MORIBUND	98-5	kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>,straight portion// atypical tubular dilatation:proximal tubule,<2>,straight portion//hyperplasia:tubular epithelial cell,<1>
			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
			prostate	inflammation,<1>
			mammary gl	duct ectasia,<1>
			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:pituitary gland

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 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1346	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			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,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>,straight portion// atypical tubular dilatation:proximal tubule,<2>,straight portion

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HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1346	SCHEDULED	105-7	urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	atrophy,<1>//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			
1347	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE

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 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1347	SCHEDULED	105-7	trachea	NON-REMARKABLE
			lung	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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>,straight portion// atypical tubular dilatation:proximal tubule,<1>,straight portion
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE

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 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1347	SCHEDULED	105-7	parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<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	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
1348	DEAD	82-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE

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 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1348	DEAD	82-5	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//nuclear enlargement:proximal tubule,<2>,straight portion
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	interstitial cell tumor,'1'
			epididymis	NON-REMARKABLE

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1348	DEAD	82-5	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
			Cause of Death	tumor death: leukemia
1349	DEAD	96-6	skin/app	NON-REMARKABLE
			nasal cavit	thrombus, <1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1349	DEAD	96-6	spleen	extramedullary hematopoiesis,<3>//mononuclear cell leukemia,'1'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	leiomyosarcoma,'3'
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//leukemic cell infiltration,<1>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//nuclear enlargement:proximal tubule,<2>,straight portion
			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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1349	DEAD	96-6	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
			adipose	granulation,<1>
			Cause of Death	tumor death:small intestine
1350	MORTIBUND	89-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
1350	HORIBUND	89-5	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:forestomach,<1>//ulcer:glandular stomach,<2>
			small intes	hemorrhage,<2>,with,ulcer
			large intes	hemorrhage,<2>
			liver	bile duct hyperplasia,<1>//hyperplasia,<2>//leukemic cell infiltration,<1>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>,straight portion// atypical tubular dilatation:proximal tubule,<1>,straight portion
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			testis	NON-REMARKABLE
			epididymis	NON-REMARKABLE
			semin ves	leukemic cell infiltration,<2>
			prostate	leukemic cell infiltration,<2>

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ALL ANIMALS (0-105W)

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1350	MORBUND	89-5	mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	hemorrhage:retina,<3>
			Harder gl	NON-REMARKABLE
			muscle	necrosis,<1>,with,mineralization
			bone	NON-REMARKABLE
			Cause of Death tumor death:leukemia	

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

(IPT050)

BA1S2

APPENDIX Z 10-2

HISTOLOGICAL FINDINGS (TWO-YEAR STUDIES: INDIVIDUAL)

RAT: FEMALE



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2001	MORIBUND	104-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<2>//thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	Leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,' 4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:forestomach,<1>//hyperplasia:forestomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//leukemic cell infiltration,<1>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2001	NORIBUND	104-4	pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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	
2002	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 377

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2002	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2002	SCHEDULED	105-i	adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2003	SCHEDULED	105-i	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 379

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2003	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	C-cell adenoma,' 0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,' 0'
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,' 0'

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2003	SCHEDULED	105-1	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
2004	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2004	SCHEDULED	105-1	stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			ur in bladd	NON-REMARKABLE
			pituitary	adenoma,'0',intermediate area
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
periph nerv	NON-REMARKABLE			
eye	NON-REMARKABLE			
Harder gl	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2004	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2005	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 383

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2005	SCHEDULED	105-1	kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0',with,duct ectasia
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2006	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>
			larynx	NON-REMARKABLE

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 384

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2006	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung	hemorrhage,<1>,focal
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	fibrosis,<1>,focal
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 385

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2006	SCHEDULED	105-1	adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	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
2007	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 386

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2007	SCHEDULED	105-1	spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	herniation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 387

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2007	SCHEDULED	105-1	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2008	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>// eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2008	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	atrophy, <2>
			kidney	chronic nephropathy, <1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
spinal cord	NON-REMARKABLE			
periph nerv	NON-REMARKABLE			
eye	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 389

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2008	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2009	HORIBUND	104-4	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	osseous metaplasia,<1>
			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
stomach	erosion:glandular stomach,<1>//ulcer:forestomach,<2>			
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
liver	fatty change,<1>,portal region			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2009	KORIBUND	104-4	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 3'
			thyroid	C-cell adenoma,' 1'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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:pituitary gland

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2010	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>// eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	lymphadenitis,<1>
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2010	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2011	SCHEDULED	105-4	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>// eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2011	SCHEDULED	105-4	trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2011	SCHEDULED	105-4	adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	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
2012	SCHEDULED	105-4	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2012	SCHEDULED	105-4	spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			ur in bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0',with,decidual change
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2012	SCHEDULED	105-4	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
2013	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>// eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2013	SCHEDULED	105-4	esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2013	SCHEDULED	105-4	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2014	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<2>
			Larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
liver	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2014	SCHEDULED	105-4	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			liver gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2015	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 400

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2015	SCHEDULED	105-4	Larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			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,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2015	SCHEDULED	105-4	parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2016	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 402

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2016	SCHEDULED	105-4	thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,' 0'
			vagina	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2016	SCHEDULED	105-4	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
2017	SCHEDULED	105-4	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2017	SCHEDULED	105-4	esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	herniation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
spinal cord	NON-REMARKABLE			
periph nerv	NON-REMARKABLE			
eye	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 405

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2017	SCHEDULED	105-4	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2018	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	reticulosis,<4>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
esophagus	NON-REMARKABLE			
stomach	NON-REMARKABLE			
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 406

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2018	SCHEDULED	105-4	Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2019	SCHEDULED	105-4	skin/app	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 407

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2019	SCHEDULED	105-4	nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
kidney	chronic nephropathy, <3>			
urin bladd	NON-REMARKABLE			
pituitary	adenoma, ' 0'			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 408

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2019	SCHEDULED	105-4	thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2020	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 409

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2020	SCHEDULED	105-4	lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	fibrosis,<1>.focal
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
uterus	cystic endometrial hyperplasia,<2>			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 410

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2020	SCHEDULED	105-4	vagina	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
2021	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
tongue	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 411

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2021	SCHEDULED	105-5	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<2>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hemorrhage,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2021	SCHEDULED	105-5	eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2022	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2022	SCHEDULED	105-5	Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2023	SCHEDULED	105-5	skin/app	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 414

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2023	SCHEDULED	105-5	nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105#)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2023	SCHEDULED	105-5	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp.' 0'
			vagina	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
2024	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 416

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2024	SCHEDULED	105-5	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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 417

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2024	SCHEDULED	105-5	vagina	NON-REMARKABLE
			mammary gl	duct ectasia,<1>
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<3>//degeneration:cornea,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2025	SCHEDULED	105-5	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
tongue	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2025	SCHEDULED	105-5	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2025	SCHEDULED	105-5	eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2026	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2026	SCHEDULED	105-5	Liver	herniation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0',papillary
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2027	SCHEDULED	105-5	skin/app	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2027	SCHEDULED	105-5	nasal cavit	eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2027	SCHEDULED	105-5	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2028	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>// eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 423

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2028	SCHEDULED	105-5	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	inflammation,<1>,serosa
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin blädd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2028	SCHEDULED	105-5	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			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
2029	HORIBUND	100-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<1>//thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	Leukemic cell infiltration,<2>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2029	MORIBUND	100-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:forestomach,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//leukemic cell infiltration,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	leukemic cell infiltration,<1>
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2029	HORIBUND	100-1	periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death:leukemia
2030	HORIBUND	93-5	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	congestion,<1>,diffuse
			bone marrow	NON-REMARKABLE
			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

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2030	MORIBUND	93-5	stomach	hyperplasia:forestomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	fatty change,<2>,portal region//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'3'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	hyperplasia,<1>
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	degeneration:cornea,<1>
			harder gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2030	MORIBUND	93-5	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
			Cause of Death	tumor death:pituitary gland
2031	MORIBUND	102-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<2>//thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	leukemic cell infiltration,<1>
			lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 429

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2031	NORIBUND	102-6	large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//cholangiocellular adenoma,'1'//leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1',with,hemorrhage
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 430

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2031	HORBUND	102-6		
			Cause of Death	tumor death:leukemia
2032	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//herniation,<1>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2032	SCHEDULED	105-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//cyst,<3>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2033	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2033	SCHEDULED	105-5	larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2033	SCHEDULED	105-5	parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hemorrhage,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2034	SCHEDULED
nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<2>/ eosinophilic change:olfactory epithelium,<2>			
larynx	NON-REMARKABLE			
trachea	NON-REMARKABLE			
lung	NON-REMARKABLE			
bone marrow	granulation,<1>			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2034	SCHEDULED	105-6	Lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			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,<1>//mixed cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2034	SCHEDULED	105-6	vagina	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
2035	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
tongue	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2035	SCHEDULED	105-6	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	mixed cell focus,<1>//leukemic cell infiltration,<1>
			pancreas	atrophy,<1>
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2035	SCHEDULED	105-6	eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2036	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<2>// eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2036	SCHEDULED	105-6	large intes	NON-REMARKABLE
			Liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2037	HORIBUND	100-5	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2037	HORIBUND	100-5	pituitary	adenocarcinoma, '4'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma, '1', papillary
			brain	metastasis: pituitary tumor, <2>
			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: pituitary gland
2038	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change: respiratory epithelium, <1> // eosinophilic change: olfactory epithelium, <2>
			larynx	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2038	SCHEDULED	105-6	trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	clear cell focus,<1>
			pancreas	NON-REMARKABLE
			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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2038	SCHEDULED	105-6	adrenal	focal fatty change:cortex,<1>//hyperplasia:medulla,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2039	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2039	SCHEDULED	105-6	spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			oral cavity	keratoacanthoma,'0'
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
ovary	NON-REMARKABLE			
uterus	endometrial stromal polyp,'0'			
vagina	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105#)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2039	SCHEDULED	105-6	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
2040	SCHEDULED	105-6	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<2>/ eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2040	SCHEDULED	105-6	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2040	SCHEDULED	105-6	eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2041	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 447

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2041	SCHEDULED	105-7	Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'0'
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<2>
			vagina	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			
2042	MORBUND	104-7	skin/app	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2042	HORIBUND	104-7	nasal cavit	eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	inflammation,<1>,focal
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 449

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2042	MORIBUND	104-7	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			Zymbal gl	adenoma, '1'
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
	Cause of Death	tumor death: leukemia		
2043	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change: respiratory epithelium, <1>
			larynx	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 450

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
2043	SCHEDULED	105-7	trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	cholangiocellular carcinoma,'0',mucinous//leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 451

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2043	SCHEDULED	105-7	adrenal	hyperplasia:cortical cell,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,' 0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2044	SCHEDULED
nasal cavit	eosinophilic change:olfactory epithelium,<2>			
larynx	NON-REMARKABLE			
trachea	NON-REMARKABLE			
lung	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2044	SCHEDULED	105-7	spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2044	SCHEDULED	105-7	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<3>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2045	SCHEDULED	105-7	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 454

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2045	SCHEDULED	105-7	stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<2>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2045	SCHEDULED	105-7	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2046	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
liver	NON-REMARKABLE			
pancreas	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 456

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2046	SCHEDULED	105-7	kidney	chronic nephropathy,<1>//mineralization,<1>,with,transitional cell hyperplasia
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			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			
2047	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 457

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2047	SCHEDULED	105-7	trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
pituitary	hyperplasia,<2>			
thyroid	NON-REMARKABLE			
parathyroid	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 458

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2047	SCHEDULED	105-7	adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
2048	HORIBUND	81-4	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-1050)

PAGE : 459

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2048	NORIBUND	81-4	spleen	hemangioendothelioma, '4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:glandular stomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 460

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2048	HORIBUND	81-4	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	inflammation,<1>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death:spleen
2049	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
tongue	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 461

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2049	SCHEDULED	105-7	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	follicular adenoma,'0'//C-cell carcinoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2049	SCHEDULED	105-7	eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2050	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	granulation,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 463

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
2050	SCHEDULED	105-7	Liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2101	SCHEDULED	105-i	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2101	SCHEDULED	105-1	pituitary	adenoma, '0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2102	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	metastasis:thyroid tumor,<2>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2102	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell carcinoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 467

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2102	SCHEDULED	105-1	uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<1>
2103	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<2>// eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2103	SCHEDULED	105-1	heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 469

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2103	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2104	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	sarcoma:NOS,'0'
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 470

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2104	SCHEDULED	105-1	stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	transitional cell papilloma,'0'
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 471

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2104	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2105	DEAD	73-7	skin/app	NON-REMARKABLE
			nasal cavit	thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
liver	leukemic cell infiltration,<1>,with,necrosis			
pancreas	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2105	DEAD	73-7	kidney	leukemic cell infiltration,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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	osteosclerosis,<1>			
		Cause of Death	tumor death: leukemia	
2106	MORBUND	104-6	skin/app	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 473

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2106	HORIBUND	104-6	nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<2>// eosinophilic change:olfactory epithelium,<3>//thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	erosion:glandular stomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//leukemic cell infiltration,<1>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2106	NORIBUND	104-6	pituitary	adenoma,'1'
			thyroid	C-cell adenoma,'1'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'1'
			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			
		Cause of Death	tumor death:leukemia	
2107	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<4>
			larynx	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2107	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2107	SCHEDULED	105-i	adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
			2108	SCHEDULED
nasal cavit	inflammation:foreign body,<3>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>/ eosinophilic change:olfactory epithelium,<1>			
larynx	NON-REMARKABLE			
trachea	NON-REMARKABLE			
lung	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
lymph node	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 477

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2108	SCHEDULED	105-1	thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
vagina	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
2108	SCHEDULED	105-1	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
2109	HORBUND	103-4	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	inflammation,<1>,focal
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 479

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
2109	NORIBUND	103-4	esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'4'
			thyroid	C-cell carcinoma,'1'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	metastasis:pituitary tumor,<1>
spinal cord	NON-REMARKABLE			
periph nerv	NON-REMARKABLE			
eye	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2109	MORIBUND	103-4	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death:pituitary gland
2110	MORIBUND	96-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2110	NORIBUND	96-7	Large intes	NON-REMARKABLE
			Liver	cholangiofibrosis,<2>//leukemic cell infiltration,<1>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			vagina	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	osteosclerosis,<1>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2110	HORIBUND	96-7		
			Cause of Death	tumor death:leukemia
2111	HORIBUND	89-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:glandular stomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<1>,with,necrosis

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2111	MORIBUND	89-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	cortical adenoma,'1'
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2112	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2112	SCHEDULED	105-4	pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	degeneration:cornea,<1>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2113	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2113	SCHEDULED	105-4	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	herniation,<1>
			pancreas	atrophy,<1>
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>/hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2113	SCHEDULED	105-4	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	duct ectasia,<1>//fibroadenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	degeneration:cornea,<1>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2114	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>.respiratory epithelium//eosinophilic change:respiratory epithelium,<2>// eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 488

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2114	SCHEDULED	105-4	heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 489

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2114	SCHEDULED	105-4	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2115	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<4>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
stomach	ulcer:forestomach,<1>			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2115	SCHEDULED	105-4	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	leukemic cell infiltration,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2115	SCHEDULED	105-4	bone	NON-REMARKABLE
2116	DEAD	89-1	skin/app	NON-REMARKABLE
			nasal cavit	thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	accumulation of foamy cells,<2>,focal//leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<3>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1054)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2116	DEAD	89-1	urin bladd	NON-REMARKABLE
			pituitary	NOT-EXAMINE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hemorrhage,<1>
			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
2117	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>//

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2117	SCHEDULED	105-4		eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	granulation,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			ur in bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2117	SCHEDULED	105-4	pituitary	cyst,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2118	DEAD	70-6	skin/app	NON-REMARKABLE
			subcutis	schwannoma,'1'
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 495

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2118	DEAD	70-6	lung	congestion,<1>,diffuse
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma:malignant,'4'

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2118	DEAD	70-6	ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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:adrenal gland
2119	DEAD	66-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	Leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 497

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2119	DEAD	66-5	thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<3>,with,necrosis
			pancreas	atrophy,<1>
			kidney	leukemic cell infiltration,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
uterus	NON-REMARKABLE			
vagina	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1054)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2119	DEAD	66-5	mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//necrosis:focal,<1>
			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
2120	SCHEDULED	105-4	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 499

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2120	SCHEDULED	105-4	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	accessory cortical nodule,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 500

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2120	SCHEDULED	105-4	periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2121	DEAD	79-i	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	necrosis:focal,<3>
			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			
stomach	hyperplasia:forestomach,<1>			
small intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
2121	DEAD	79-1	large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	follicular adenocarcinoma,'4'
			parathyroid	NON-REMARKABLE
			adrenal	necrosis,<1>,cortex
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2121	DEAD	79-1		
			Cause of Death	tumor death:thyroid
2122	HORIBUND	88-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<4>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<2>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	erosion:glandular stomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<3>,with,necrosis

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 503

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2122	NORIBUND	88-1	pancreas	leukemic cell infiltration.<3>
			kidney	chronic nephropathy,<1>//leukemic cell infiltration,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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	

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2123	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE      GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2123	SCHEDULED	105-5	pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			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			
2124	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 506

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2124	SCHEDULED	105-5	bone marrow	NON-REMARKABLE
			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
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 507

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2124	SCHEDULED	105-5	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2125	NORIBUND	97-7	bone	NON-REMARKABLE
			skin/app	epidermal cyst,<1>
			nasal cavit	inflammation:foreign body,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>
heart	thrombus,<1>,left atrium			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 508

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2125	HORBUND	97-7	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	erosion:glandular stomach,<1>//ulcer:forestomach,<2>
			small intes	ulcer,<1>
			large intes	NON-REMARKABLE
			Liver	degeneration:central,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	squamous cell carcinoma,'4'
			brain	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 509

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2125	MORIBUND	97-7	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:preputial/clitoral gland
2126	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<2>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>// eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 510

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2126	SCHEDULED	105-5	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 511

Animal ID-NO.	Death information	Time of Examination Week-Day	Organ	Findings
2126	SCHEDULED	105-5	eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2127	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105M)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2127	SCHEDULED	105-5	liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell adenoma,' 0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,' 0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
2128	MORIBUND	90-5	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2128	HORIBUND	90-5	nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>//thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:forestomach,<2>//ulcer:glandular stomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<2>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2128	HORIBUND	90-5	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'1'
			brain	hemorrhage,<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
	Cause of Death	tumor death: leukemia		
2129	HORIBUND	97-2	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 515

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2129	HORIBUND	97-2	lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
adrenal	hyperplasia:cortical cell,<1>			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 516

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2129	NON-IBUND	97-2	ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'4'
			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:mammary gland	
2130	SCHEDULED	105-5	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 517

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2130	SCHEDULED	105-5	thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	herniation,<1>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//Rathke pouch,<1>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'0'
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2130	SCHEDULED	105-5	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
2131	SCHEDULED	105-6	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<3>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : AI  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 519

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2131	SCHEDULED	105-6	esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			brain	hyaline body,<1>
spinal cord	NON-REMARKABLE			
periph nerv	NON-REMARKABLE			
eye	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 520

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2131	SCHEDULED	105-6	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2132	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	fibrosis,<1>,focal
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
Liver	NON-REMARKABLE			

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 521

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2132	SCHEDULED	105-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2133	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<1>//

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-1050)

PAGE : 522

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2133	SCHEDULED	105-6		eosinophilic change:olfactory epithelium,<2>
			Larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 523

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2133	SCHEDULED	105-6	pituitary	adenoma, '0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	petiosis-like lesion, <1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma, '0'
			brain	hemorrhage, <1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	degeneration: cornea, <1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2134	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change: respiratory epithelium, <2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 524

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2134	SCHEDULED	105-6	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 525

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2134	SCHEDULED	105-6	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			liver gl	inflammation,<2>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2135	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium//eosinophilic change:respiratory epithelium,<2>// eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 526

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2135	SCHEDULED	105-6	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 527

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2135	SCHEDULED	105-6	spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2136	DEAD	93-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
stomach	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2136	DEAD	93-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	schwannoma:malignant,'4'
			vagina	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

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2136	DEAD	93-1	bone	NON-REMARKABLE
			Cause of Death	tumor death:uterus
2137	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	granulation,<2>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,' 0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	herniation,<1>//leukemic cell infiltration,<1>

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 530

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2137	SCHEDULED	105-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<2>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	inflammation,<1>
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2138	DEAD	97-1	skin/app	NON-REMARKABLE
			nasal cavit	inflammation:foreign body,<1>,respiratory epithelium

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2138	DEAD	97-1	Larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	hemorrhage, <1>, diffuse
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia, '3'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	leukemic cell infiltration, <2>, with, necrosis
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy, <1>
			urin bladd	NON-REMARKABLE
pituitary	adenoma, '2'			
thyroid	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2138	DEAD	97-1	parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenocarcinoma, 1'
			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	
2139	SCHEDULED	105-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change: olfactory epithelium, <2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2139	SCHEDULED	105-6	bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	mixed cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
ovary	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105#)

PAGE : 534

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2139	SCHEDULED	105-6	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			liver gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2140	SCHEDULED	105-6	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			Lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
heart	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 535

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2140	SCHEDULED	105-6	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,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1054)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2140	SCHEDULED	105-6	periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2141	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
small intes	NON-REMARKABLE			

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2141	SCHEDULED	105-7	Large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 538

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2142	HORIBUND	103-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>//eosinophilic change:olfactory epithelium,<2>//thrombus,<1>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	fibrosis,<1>,focal//mononuclear cell leukemia,'4'
			heart	thrombus,<1>,left atrium
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	ulcer:forestomach,<2>//ulcer:glandular stomach,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<2>,with,necrosis
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105N)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2142	NORIBUND	103-1	pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	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		
2143	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<3>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 540

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2143	SCHEDULED	105-7	trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy, <2>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma, '0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2143	SCHEDULED	105-7	adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	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
			2144	SCHEDULED
nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<4>			
larynx	NON-REMARKABLE			
trachea	NON-REMARKABLE			
lung	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
ANIMAL : RAT F344  
REPORT TYPE : A1  
SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
ALL ANIMALS (0-105W)

PAGE : 542

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2144	SCHEDULED	105-7	spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>//poliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 543

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2144	SCHEDULED	105-7	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2145	SCHEDULED	105-7	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<3>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2145	SCHEDULED	105-7	stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	focal fatty change:cortex,<1>
			ovary	NON-REMARKABLE
			uterus	cystic endometrial hyperplasia,<1>
			vagina	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

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



STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 545

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2145	SCHEDULED	105-7	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2146	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<3>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	NON-REMARKABLE
			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,<1>
			pancreas	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2146	SCHEDULED	105-7	kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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			
2147	SCHEDULED	105-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<1>;eosinophilic change:olfactory epithelium,<1>
			larynx	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

PAGE : 547

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2147	SCHEDULED	105-7	trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			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. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2147	SCHEDULED	105-7	adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	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
			2148	SCHEDULED
nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<2>			
larynx	NON-REMARKABLE			
trachea	NON-REMARKABLE			
lung	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-105W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2148	SCHEDULED	105-7	spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			stomach	NON-REMARKABLE
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	C-cell carcinoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

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

STUDY NO. : 0104  
 ANIMAL : RAT F344  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 50 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)  
 ALL ANIMALS (0-1050)

PAGE : 550

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2148	SCHEDULED	105-7	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2149	SCHEDULED	105-7	bone	osteosclerosis,<1>
			skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:respiratory epithelium,<2>//eosinophilic change:olfactory epithelium,<2>
			larynx	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

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