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WPT/93/360
M12401

Table 7: Tumour Incidences

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PLACES V0.400

W68755C: Oral (drinking water) oncogenicity study in B6C3F1 mice
study number: M12401
INCIDENCE OF TUMOURS IN MALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	MALES : INCIDENCE OF TUMOURS (NUMERIC)									
		SURVIVORS					DECEDENTS				
		Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
skin:		(32)	(30)	(31)	(39)	(39)	(28)	(30)	(27)	(20)	(21)
aqueous papilloma (B)					1						
fibroma (B)			1				1				
sarcoma (M)							1	2			
fibrosarcoma (M)									1		
lymphangiosarcoma (B)											
soft tissues:		(1)					(1)		(1)		
lipoma (B)		1					1		1		

figures in brackets represent the number of animals from which this tissue was examined microscopically
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(B) = Benign (M) = Malignant

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OR68753C: Oral (drinking water) oncogenicity study in B6C3F1 mice
study number: M12401
INCIDENCE OF TUMOURS IN MALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	MALES: INCIDENCE OF TUMOURS (NUMERIC)									
		SURVIVORS					DECEDENTS				
		Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	# Tap water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Spleen:											
haemangioma (8)		(32)	(30)	(31)	(39)	(39)	# (28)	(30)	(29)	(21)	(21)
Stomach:		3	2	2	2	2	# 1	1	2	2	
squamous papilloma (8)		(32)	(30)	(31)	(39)	(39)	# (27)	(29)	(29)	(21)	(21)
Testes:			1				#				
Interstitial-cell tumour (8)		(32)	(30)	(31)	(39)	(39)	# (28)	(30)	(29)	(21)	(21)
Interstitial-cell tumour (M)					1	2	#		1		
Thyroid:		(32)	(30)	(31)	(38)	(39)	# (27)	(30)	(29)	(21)	(21)
follicular adenoma (8)		1	2				#	1		1	

Figures in brackets represent the number of animals from which this tissue was examined microscopically.
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CR68755C1 Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN MALES
SEPARATED AS SURVIVORS AND DECEDENTS

		MALES : INCIDENCE OF TUMOURS (NUMERIC)									
		SURVIVORS					DECEDENTS				
TUMOURS	GROUP	1.0		5.5		30.0		1.0		5.5	
		Tap water	Acid/d	Tap water	Acid/d	Tap water	Acid/d	Tap water	Acid/d	Tap water	Acid/d
Thyroid:											
follicular carcinoma (F)											

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On68753C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

FEMALES : INCIDENCE OF TUMOURS (NUMERIC)												
TUMOURS	GROUP	SURVIVORS					DECEDENTS					
		Tap water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	#	Tap water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Abdominal cavity:												
hepatoma (8)		(6)	(4)	(1)	(5)	(3)	(7)	(6)	(3)	(2)	(8)	
Adrenal:					1							
pheochromocytoma (8)		(34)	(34)	(29)	(37)	(33)	(26)	(26)	(31)	(23)	(27)	
Bone marrow:									1			
hepatoma (8)		(34)	(34)	(29)	(37)	(33)	(26)	(26)	(31)	(23)	(27)	
Breast:		(34)	(34)	(29)	(37)	(33)	(26)	(26)	(31)	(23)	(27)	
lipoma (8)			1							1		
Clitoral glands:			(1)									
squamous-cell carcinoma (8)			1									

figures in brackets represent the number of animals from which this tissue was examined microscopically
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CR68735C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES: INCIDENCE OF TUMOURS (NUMERIC)					
		SURVIVORS			DECEDENTS		
		Tap water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	
Gall bladder:							
papilloma (8)		(34)	(34)	(29)	(37)	(33)	
Leucine glands:							
adenoma (8)		(34)	(34)	(29)	(37)	(33)	
adenocarcinoma (N)		4	6	1	3	1	
Large Intestines:							
adenocarcinoma (N)		(34)	(34)	(29)	(37)	(33)	
Liver:							
liver cell adenoma (8)		(34)	(34)	(29)	(37)	(33)	
		2	2	4	5	4	

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(B) = Benign (N) = Malignant

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GR60755G: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES: INCIDENCE OF TUMOURS (NUMERIC)									
		SURVIVORS					DECEDENTS				
		Top water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Top water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Liver:											
liver cell adenoma with slight cord atypia (B)		(34)	(34)	(29)	(37)	(33)	(26)	(26)	(31)	(23)	(27)
hepatocellular carcinoma (M)											
metastasizing hepatocellular carcinoma (M)											
Lungs:											
alveolar/bronchiolar adenoma (B)											
alveolar/bronchiolar carcinoma (M)											
metastasizing alveolar/bronchiolar carcinoma (M)											

Figures in brackets represent the number of animals from which this tissue was examined microscopically.
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CR68755C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES : INCIDENCE OF TUMOURS (NUMERIC)					
		SURVIVORS			DECEDENTS		
		Tap water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	30.0 mg/kg
Lymphoreticular tissues:							
Lymphoma (M)		(15)	(9)	(6)	(11)	(9)	(18)
histiocytic sarcoma (M)		14	6	6	11	8	16
mast-cell tumour (M)		1					2
Mammary glands:							
adenocarcinoma (M)			1			1	
adenosquamous carcinoma (M)		(30)	(27)	(26)	(32)	(31)	(24)
Ovaries:			1	2		1	2
cystadenoma (B)		(34)	(33)	(29)	(37)	(32)	(26)
granulosa-theca cell tumour (B)		2	2	2	2	1	1

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CR60755C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES: INCIDENCE OF TUMOURS (NUMERIC)					
		SURVIVORS			DECEDENTS		
		Tap water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	
Pancreas:							
Islet-cell adenoma (B)		(33)	(34)	(29)	(37)	(33)	
Pituitary:							
adenoma (B)				1		1	
para Intermediate adenoma (B)				(28)	(36)	(33)	
Skeletal muscles:							
hemangioma (B)		1	3	1	4	4	
Skeletal:							
osteosarcoma (M)		(34)	(34)	(29)	(37)	(33)	
metastasizing osteosarcoma (M)		(33)	(28)	(28)	(36)	(31)	

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065755C1 Oral (drinking water) oncogenicity study in B6C3F1 mice
study number M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES - INCIDENCE OF TUMOURS (NUMERIC)					
		SURVIVORS			DECEDENTS		
		Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	30.0 mg/kg
skin		(34)	(34)	(29)	(37)	(33)	(26)
aqueous papilloma (B)					1	1	
sebaceous adenoma (B)					1	1	
sarcoma (M)							1
fibrosarcoma (M)							
haemangioma (B)							
Small Intestines							
adenocarcinoma (M)							
Spleen							
haemangioma (B)							

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CR68755C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES: INCIDENCE OF TUMOURS (NUMERIC)									
		SURVIVORS					DECEDENTS				
		Top water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Top water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Stomach:											
adenocarcinoma (B)		(34)	(34)	(29)	(37)	(33)	(26)	(26)	(30)	(23)	(27)
Thyroid:											
follicular adenoma (B)		(33)	(34)	(29)	(37)	(32)	(26)	(25)	(30)	(23)	(26)
c-cell adenoma (B)							1				1
Uterus:											
stromal polyp (B)		(34)	(34)	(29)	(37)	(33)	(26)	(26)	(31)	(23)	(27)
adenomatous polyp (B)		1	1	1	1	1	1	2			1
adenocarcinoma (M)											
leiomyoma (B)		1	2		1						

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OR6875C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS IN FEMALES
SEPARATED AS SURVIVORS AND DECEDENTS

TUMOURS	GROUP	FEMALES: INCIDENCE OF TUMOURS (NUMERIC)									
		SURVIVORS					DECEDENTS				
		Tap water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Tap water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Uterus:											
leiomyosarcoma (M)											
haemangioma (B)											
Vagina:											
haemangioma (B)											

figures in brackets represent the number of animals from which this tissue was examined microscopically

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GR60755C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS
SURVIVORS AND DECEDENTS COMBINED

TUMOURS	GROUP	INCIDENCE OF TUMOURS (NUMERIC)									
		MALES					FEMALES				
		Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Abdominal cavity:											
sarcoma (M)		(5)	(2)	(7)	(4)	(10)	(13)	(8)	(4)	(7)	(11)
hepatangioma (B)						1				1	
Adrenals:											
subcapsular adenoma (B)		(60)	(59)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
cortical adenoma (B)		1			1	1					
pheochromocytoma (B)									1		
Bone marrow:											
hepatangioma (B)		(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
		2	1	1			2	1			

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CR68755C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS
SURVIVORS AND DECEDENTS COMBINED

TUMOURS	GROUP	INCIDENCE OF TUMOURS (NUMBER)									
		MALES					FEMALES				
		Top water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Top water	Acidified water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Brain:		(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
Lipoma (B)								1		1	
Cervical glands:								(1)			
Squamous-cell carcinoma (M)								1			
Cell bladder:		(48)	(54)	(57)	(58)	(53)	(56)	(58)	(56)	(59)	(59)
Papilloma (B)		(11)	(18)	(7)	(22)	(17)	(7)	(13)	(13)	(8)	(11)
Head:											
Squamous papilloma (B)		(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
Heart:		1									
Haemangioma (B)											

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ON68753C1 Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS
SURVIVORS AND DECEDENTS COMBINED

TUMOURS	GROUP	INCIDENCE OF TUMOURS (NUMERIC)									
		MALES					FEMALES				
		Tap water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Tap water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Lacrimal glands											
adenoma (B)		2	2	8	7	6	5	7	4	8	4
adenocarcinoma (M)											
Large Intestines:											
adenocarcinoma (M)		(58)	(60)	(59)	(60)	(60)	(60)	(60)	(59)	(60)	(60)
(livers)										1	
(liver cell adenoma (B)											
(liver cell adenoma with slight cord atypia (B)		27	29	27	21	22	2	2	9	8	7
hepatocellular carcinoma (M)		3	2	3		5		5	3	3	3
		17	9	15	15	13	1	1	4	5	4

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OR6875501 Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS
SURVIVORS AND DECEDENTS COMBINED

INCIDENCE OF TUMOURS (NUMERIC)											
TUMOURS	GROUP	MALES					FEMALES				
		Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg
Liver:											
metastasizing hepatocellular carcinoma (M)		(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
		1	5	6	4	2					
haemangioma (B)		3	2	3	4	4					
Lungs:											
alveolar/bronchiolar adenoma (B)		(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
		4	5	8	1	3	3	1	2	2	4
alveolar/bronchiolar carcinoma (M)		3	5	4	6	3	2	2	1	2	
metastasizing alveolar/bronchiolar carcinoma (M)							1				
Lymphoreticular tissues:		(5)	(11)	(8)	(10)	(3)	(30)	(20)	(19)	(25)	(27)
lymphoma (M)		3	8	6	8	2	27	19	18	25	24

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CR6875C: Oral (drinking water) oncogenicity study in B6C3F1 mice
Study number: M12401
INCIDENCE OF TUMOURS
SURVIVORS AND DECEDENTS COMBINED

TUMOURS	GROUP	INCIDENCE OF TUMOURS (NUMERIC)					
		MALES			FEMALES		
		Top water	Acid/d water	1.0 mg/kg	5.5 mg/kg	30.0 mg/kg	30.0 mg/kg
Lymphoreticular tissues:							
histiocytic sarcoma (M)		(5)	(11)	(8)	(10)	(3)	(27)
mast-cell tumour (M)		2	2	2	2	1	2
mammary glands:							
adenocarcinoma (M)		(1)	(1)	(1)	(1)	(1)	(55)
adenosquamous carcinoma (M)							3
Ovaries:							
cystadenoma (B)							1
granulosa-theca cell tumour (B)							1

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