

Historical Control Data in Mice

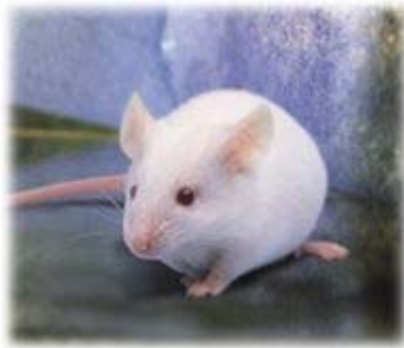


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¹ Additional HCD endpoints and years are available upon request.

Historical Control Data**Mouse Crl: OF1****Maternal body weight gain (g) during gestation**

Study	Year	Dams with live fetuses	Gestation days 0 to 6		Gestation days 6 to 11		Gestation days 6 to 9		Gestation days 9 to 12		Gestation days 11 to 16		Gestation days 12 to 15		Gestation days 15 to 18		Gestation days 16 to 18	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A16	2016	6	5.0	1.5													8.8	0.9
B16	2016	21	4.2	0.9			2.5	0.9	6.8	2.0								
A14	2014	5	2.3	1.3			1.9	0.8	5.7	1.9			8.8	1.6	11.5	2.2		
B11	2011	26	4.3	1.0			2.5	0.9	5.5	1.2			6.6	2.0	11.4	3.3		
A10	2010	6	4.5	1.0			2.5	0.8	4.9	1.6			5.8	2.1	10.8	4.1		
A9	2009	36	3.9	1.3	5.1	1.3					12.7	2.4					8.4	1.6
A8	2008	10	3.9	0.7	4.5	1.1					12.9	2.6					8.2	1.5
B8	2008	21	4.2	0.9	5.1	1.0					14.0	2.2					7.3	1.4
C8	2008	9	3.9	1.1	5.0	0.9					13.2	1.6					9.3	0.6
<i>Total</i>		<i>140</i>																
<i>Mean</i>			<i>4.1</i>		<i>5.0</i>		<i>2.4</i>		<i>5.9</i>		<i>13.1</i>		<i>6.8</i>		<i>11.3</i>		<i>8.2</i>	
<i>SD</i>				<i>1.1</i>		<i>1.2</i>		<i>0.9</i>		<i>1.7</i>		<i>2.3</i>		<i>2.1</i>		<i>3.2</i>		<i>1.5</i>

Study no. B16 was recorded on days 9 to 13

Study nos. A10 and B11 were recorded on days 12 and 15

Historical Control Data**Mouse Crl: OF1****Maternal food consumption (g/day) during gestation**

Study	Year	Dams with live fetuses	Gestation days 0 to 6		Gestation days 6 to 11		Gestation days 6 to 9		Gestation days 9 to 12		Gestation days 11 to 16		Gestation days 12 to 15		Gestation days 15 to 18		Gestation days 16 to 18	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A16	2016	6	5.9	0.8			7.4	3.0									10.4	0.9
B16	2016	21	7.0	2.1			6.8	1.0	6.2	1.2								
A14	2014	5	6.5	2.3			7.6	1.0	6.4	0.4			7.1	0.8	9.4	0.6		
B11	2011	26	6.4	1.3			7.4	0.9	7.1	0.8			8.2	1.2	10.5	1.9		
A10	2010	6	5.9	1.1			7.5	1.2	7.0	1.1			9.0	1.4	9.1	2.1		
A9	2009	36	7.0	1.1	7.4	0.8					8.5	1.0					10.4	1.2
A8	2008	10	5.6	0.5	6.7	0.6					7.7	0.5					10.1	0.7
B8	2008	21	6.7	0.6	7.9	0.6					9.4	0.8					11.0	1.4
C8	2008	9	6.1	0.4	6.9	0.5					8.0	0.8					10.5	0.7
<i>Total Mean</i>		<i>140</i>	<i>6.6</i>		<i>7.4</i>		<i>7.2</i>		<i>6.7</i>		<i>8.6</i>		<i>8.2</i>		<i>10.1</i>		<i>10.5</i>	
<i>SD</i>				<i>1.3</i>		<i>0.8</i>		<i>1.3</i>		<i>1.0</i>		<i>1.0</i>		<i>1.3</i>		<i>1.9</i>		<i>1.2</i>

Study no. A16 was recorded on days 6 to 10

Study no. B16 was recorded on days 9 to 13

Study nos. A10 and B11 were recorded on days 12 and 15

Historical Control Data**Mouse Crl: OF1****Caesarean data collected on day 18 of gestation**

Study	Year	Number of females			Number of corpora lutea		Number of uterine implants		Pre-implantation loss %		Early resorptions per dam		Late resorptions per dam		Post-implantation loss %	
		Mated	Pregnant	With live fetuses	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A16	2016	6	6	6	15.7	1.0	15.3	1.4	2.2	3.5	1.2	1.5	0.2	0.4	8.5	9.4
B16	2016	24	21	21	13.9	3.1	12.9	4.4	9.7	20.4	0.6	0.8	0.1	0.3	6.3	10.0
A14	2014	6	5	5	15.6	2.1	15.0	2.9	4.5	6.8	0.6	0.9	0.6	0.9	8.1	9.6
B11	2011	30	26	26	12.5	3.2	12.2	3.6	4.6	8.8	0.5	0.8	0.1	0.3	6.5	9.9
A10	2010	6	6	6	13.8	3.2	11.5	3.3	17.4	11.1	0.7	0.8	0.3	0.8	10.7	19.6
A9	2009	40	37	36	13.9	1.9	13.1	2.3	5.6	8.7	0.9	1.2	0.1	0.2	7.7	9.8
A8	2008	10	10	10	13.9	2.8	13.3	2.9	4.4	7.6	1.2	1.0	0.4	0.8	12.6	10.2
B8	2008	25	21	21	14.3	1.9	14.0	2.1	1.7	0.9	1.0	1.3	0.2	0.4	9.2	1.3
C8	2008	10	9	9	14.3	1.2	13.8	1.0	4.3	6.1	0.4	0.7	0.0	0.0	3.4	5.9
<i>Total</i>		<i>157</i>	<i>141</i>	<i>140</i>												
			<i>90%</i>	<i>89%</i>												
<i>Mean</i>					<i>13.9</i>		<i>13.2</i>		<i>5.6</i>		<i>0.8</i>		<i>0.2</i>		<i>7.7</i>	
<i>SD</i>						<i>2.5</i>		<i>3.0</i>		<i>10.8</i>		<i>1.0</i>		<i>0.4</i>		<i>9.4</i>
<i>1997-2006</i>		<i>155</i>	<i>135</i>	<i>134</i>	<i>14.7</i>	<i>3.1</i>	<i>13.8</i>	<i>3.5</i>	<i>8.5</i>	<i>14.0</i>	<i>0.8</i>	<i>1.3</i>	<i>0.2</i>	<i>0.4</i>	<i>7.7</i>	<i>10.6</i>
			<i>87%</i>	<i>86%</i>												

Historical Control Data**Mouse Crl: OF1****Caesarean data collected on day 18 of gestation**

Study	Year	Number of females			Dead fetuses Total	Live litter size		Fetal weight (g)		Uterus weight (g)		Sex ratio
		Mated	Pregnant	With live fetuses		Mean	SD	Mean	SD	Mean	SD	% males
A16	2016	6	6	6	0	14.0	1.7	1.4	0.1	24.8	2.5	50.6
B16	2016	24	21	21	0	12.2	4.5	1.4	0.1	21.6	7.4	54.3
A14	2014	6	5	5	0	13.8	3.1	1.4	0.1	23.7	4.0	54.5
B11	2011	30	26	26	0	11.6	3.8	1.4	0.1			49.6
A10	2010	6	6	6	0	10.5	4.1	1.5	0.1			37.3
A9	2009	40	37	36	2	12.1	2.4	1.4	0.1	21.4	3.7	51.2
A8	2008	10	10	10	0	11.7	3.1	1.4	0.1	19.5	6.5	58.9
B8	2008	25	21	21	1	12.8	2.5	1.4	0.1	22.9	3.6	56.6
C8	2008	10	9	9	0	13.3	1.5	1.4	0.1	24.2	1.3	53.9
<i>Total</i>		<i>157</i>	<i>141</i> <i>90%</i>	<i>140</i> <i>89%</i>	<i>3</i>							
<i>Mean</i>						<i>12.2</i>		<i>1.40</i>		<i>22.1</i>		<i>52.4</i>
<i>SD</i>							<i>3.2</i>		<i>0.1</i>		<i>4.8</i>	
<i>1997-2006</i>		<i>155</i>	<i>135</i> <i>87%</i>	<i>134</i> <i>86%</i>	<i>4</i>	<i>12.8</i>	<i>3.5</i>	<i>1.4</i>	<i>0.1</i>			<i>53.1</i>

Historical Control Data**Mouse Crl: OF1****Malformations (external, internat and skeletal)**

Study	Year	Number of litters examined	Number of fetuses examined	Number of litters with malformed fetuses	Litter Incidence %	Number of malformed fetuses	Fetal Incidence %	Type of malformation by fetus
A16	2016	6	84	0	0.0	0	0.0	
B16	2016	21	257	0	0.0	0	0.0	
A14	2014	5	69	0	0.0	0	0.0	
B11	2011	26	301	1	3.8	1	0.3	1: Cleft palate
A10	2010	6	63	0	-	0	-	
A9	2009	36	435	1	2.8	1	0.2	1: Polydactyly
A8	2008	10	117	0	-	0	-	
B8	2008	21	269	0	-	0	-	
C8	2008	9	120	0	-	0	-	
<i>Total 2007-2018</i>		<i>140</i>	<i>1715</i>	<i>2</i>	1.4%	<i>2</i>	0.1%	
<i>Total 1997-2006</i>		<i>134</i>	<i>1719</i>	<i>6</i>	4.5%	<i>8</i>	0.5%	

Studies no. A14 and A16: Dose Range Finding studies with external examination only.

Historical Control Data**Mouse Crl: OF1****FETAL EXAMINATION - EXTERNAL**

PERIOD	2004-2006		2007-2018	
Number of studies included	3		9	
Number of fetuses examined	641		1715	
OBSERVATION	N	%	N	%
Limbs: malrotated	2	0.31	8	0.47
Limbs: flexed	0	0.00	4	0.23
Limbs: hyperflexion	0	0.00	1	0.06
Limbs: hyperextension	0	0.00	2	0.12
Polydactyly	0	0.00	1	0.06
Gastroschisis	1	0.16	0	0.00
Placental twin	2	0.31	7	0.41

Historical Control Data**Mouse Crl: OF1****FETAL EXAMINATION - FIXED VISCERAL EXAMINATION**

PERIOD	2004-2006		2007-2018	
Number of studies included	3		4	
Number of fetuses examined	461		605	
OBSERVATION	N	%	N	%
Local oedema	0	0.00	3	0.50
Cleft palate	1	0.22	1	0.17
Brain: dilated ventricles	0	0.00	5	0.83

Historical Control Data

Mouse Crl: OF1

FETAL EXAMINATION - SKELETAL

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PERIOD	1998-2006		2007-2018	
Number of studies included	4		3	
Number of fetuses examined	438		516	
OBSERVATION	N	%	N	%
Generalised incomplete ossification	0	0.00	1	0.19
Cranium: incomplete ossification	42	9.59	0	0.00
Parietals: incomplete ossification	15	3.42	2	0.39
Interparietal: incomplete ossification	6	1.37	2	0.39
Interparietal: unossified area	0	0.00	2	0.39
Occipitals: incomplete ossification	28	6.39	0	0.00
Supraoccipital: incomplete ossification	5	1.14	57	11.05
Frontals: incomplete ossification	2	0.46	1	0.19
Cleft palate	1	0.23	0	0.00
Hyoid: incomplete ossification	1	0.23	1	0.19
Presphenoid: incomplete ossification	1	0.23	1	0.19
Vertebrae, cervical: misshapen arch	2	0.46	0	0.00
Vertebrae, cervical: arches fused	1	0.23	0	0.00
Vertebrae, cervical: incomplete ossification of centrum	14	3.20	0	0.00
Vertebrae, cervical: unossified centrum	15	3.42	9	1.74
Vertebrae, cervical: unossified odontoid process	0	0.00	20	3.88
Vertebrae, thoracic: incomplete ossification of centrum	1	0.23	0	0.00
Vertebrae, thoracic: incomplete ossification of 1-4th centrum	1	0.23	2	0.39
Vertebrae, thoracic: incomplete ossification of 9-13th centrum	1	0.23	1	0.19
Vertebrae, thoracic: unossified 1-4th centrum	0	0.00	1	0.19
Vertebrae, thoracic: fused centrum	0	0.00	2	0.39
Vertebrae, lumbar: number = 5	0	0.00	1	0.19
Vertebrae, caudal: unossified arches - region 1-4	2	0.46	8	1.55
Vertebrae, caudal: minor displacement	1	0.23	0	0.00
Vertebrae, caudal: unossified arches - region 1-2-3-4	4	0.91	6	1.16

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Historical Control Data

Mouse Crl: OF1

FETAL EXAMINATION - SKELETAL

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PERIOD	1998-2006		2007-2018	
Number of studies included	4		3	
Number of fetuses examined	438		516	
OBSERVATION	N	%	N	%
Metacarpals: unossified (2nd or 5th digits)	0	0.00	1	0.19
Metacarpals: incomplete ossification (2nd or 5th digits)	0	0.00	1	0.19
Metatarsals: unossified	0	0.00	2	0.39
Metatarsals: incomplete ossification	3	0.68	4	0.78
Forelimbs: incomplete ossification of phalanges	5	1.14	0	0.00
Phalanx: incomplete ossification, hindpaw	42	9.59	105	20.35
Phalanx: unossified, hindpaw	7	1.60	24	4.65
Phalanx: incomplete ossification, forepaw	4	0.91	24	4.65
Phalanx: unossified, forepaw	3	0.68	6	1.16
Phalanx: incomplete ossification, hindlimbs	29	6.62	0	0.00
Phalanx: unossified, hindlimbs	3	0.68	0	0.00
Tarsal bone: incomplete ossification	189	43.15	189	36.63
Tarsal bone: unossified	53	12.10	145	28.10
Polydactyly	0	0.00	1	0.19
Sternebrae: incomplete ossification of 6th	5	1.14	2	0.39
Sternebrae: incomplete ossification of 1/2/3/4th	9	2.05	0	0.00
Sternebrae: incomplete ossification of 2nd/4th	16	3.65	5	0.97
Sternebrae: incomplete ossification of 1st/3rd	5	1.14	5	0.97
Sternebrae: incomplete ossification of 5th	40	9.13	0	0.00
Sternebrae: extra ossification site between 5th and 6th	143	32.65	159	30.81
Sternebrae: asymmetric	83	18.95	39	7.56
Sternebrae: bipartite	9	2.05	12	2.33
Sternebrae: misshapen	3	0.68	0	0.00
Sternebrae: minor fusion	11	2.51	8	1.55

File name: I.5.2-MOUSE_OF1_G18_2017_OK.xls

Historical Control Data

Mouse Crl: OF1

FETAL EXAMINATION - SKELETAL

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PERIOD	1998-2006		2007-2018	
Number of studies included	4		3	
Number of fetuses examined	438		516	
OBSERVATION	N	%	N	%
Ribs: number of full ribs = 13/14	59	13.47	55	10.66
Ribs: number of full ribs = 14/14	184	42.01	166	32.17
Rib: supernumerary cervical	0	0.00	2	0.39
Rib: supernumerary lumbar	0	0.00	54	10.47
Rib: supernumerary lumbar, short	0	0.00	52	10.08
Rib: cervical	0	0.00	23	4.46
Rib: unilateral rudimentary 14th	82	18.72	82	15.89
Rib: bilateral rudimentary 14th	66	15.07	57	11.05
Rib: unossified area	0	0.00	2	0.39

Historical Control Data**Mouse Crl: OF1****Maternal body weight gain (g) during lactation**

Study	Year	Dams with litters	Lactation days 1 to 4*		Lactation days 4 to 7		Lactation days 7 to 14#		Lactation days 14 to 21	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD
A2	2002	15	3.7	1.4	1.7	1.5	2.9	1.3	-5.0	1.9
A1	2001	8	3.8	2.8			3.1	1.3		
B1	2001	6	4.9	2.0	1.6	0.9	3.1	0.6		
C1	2001	6	3.9	2.5	2.9	2.6	0.8	2.0		
<i>Total</i>		35								
<i>Mean</i>			4.0		1.9		2.6		-5.0	
<i>SD</i>				2.0		1.7		1.5		1.9

* Lactation days 1 to 7 instead of 1 to 4, for study A1

Lactation days 7 to 11 instead of 7 to 14, for studies A1, B1 and C1.

Historical Control Data**Mouse Crl: OF1****Maternal food consumption (g/day) during lactation**

Study	Year	Dams with litters	Lactation days 1 to 4		Lactation days 4 to 7		Lactation days 7 to 14		Lactation days 14 to 21	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD
A2	2002	15	17.4	1.4	19.1	1.7	22.8	1.5	23.2	1.4
<i>Total</i>		<i>15</i>								
<i>Mean</i>			<i>17.4</i>		<i>19.1</i>		<i>22.8</i>		<i>23.2</i>	
<i>SD</i>				<i>1.4</i>		<i>1.7</i>		<i>1.5</i>		<i>1.4</i>

Historical Control Data**Mouse Crl: OF1****Post-partum litter data**

Study	Year	Number of females				Gestation length		Number of		Number of		Live birth index %	Pup viability index %	Pup weaning index %
		Mated	Pregnant	With liveborn	With pups at weaning	(days)		uterine implants		pups born				
						Mean	SD	Mean	SD	Mean	SD			
A2	2002	15	15	15	15	19.1	0.4	13.9	1.8	12.7	2.1	98	98	100
A1	2001	8	8	8	NA	19.3	0.5			13.1	1.2	97	82	NA
B1	2001	6	6	6	NA	19.7	0.5			12.3	2.3	92	100	NA
C1	2001	6	6	6	NA	19.2	0.4			13.2	1.3	100	100	NA
Total %		35	35	35	15									
Mean			100.0	100.0	100.0	19.3		13.9		12.8		97	95	100
SD							0.5		1.8		1.8			

NA: Not applicable

Historical Control Data**Mouse Crl: OF1****Post-partum data - pup weights (g)**

Study	Year	Number of litters	Postnatal day 1				Postnatal day 4				Postnatal day 7				Postnatal day 11				Postnatal day 14				Postnatal day 21			
			Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A2	2002	15	1.9	0.2	1.8	0.2	3.0	0.4	2.9	0.5	5.3	0.5	5.3	0.6					9.6	0.7	9.6	0.6	15.0	1.2	14.5	1.0
A1	2001	8	2.2	0.4	2.1	0.4					5.1	0.8	4.7	0.8	7.2	1.1	6.8	1.2								
B1	2001	6	2.2	0.2	2.1	0.2	3.1	0.3	3.0	0.4	4.4	0.2	4.3	0.1	6.2	0.4	5.7	0.5								
C1	2001	6	1.9	0.2	1.9	0.3	3.0	0.6	3.0	0.6	4.5	1.0	4.4	0.9	6.5	1.4	6.3	1.2								
Total Mean SD		35	2.0		1.9		3.0		2.9		5.0		4.8		6.7		6.3		9.6		9.6		15.0		14.5	
			0.3		0.3		0.4		0.5		0.7		0.8		1.1		1.1		0.7		0.6		1.2		1.0	

Historical Control Data**Mouse Crl: OF1****Pre-weaning development - % of pups positive**

Study	Year	Number of litters	Pinna unfolding					Incisor eruption						Eye opening			
			PND1	PND2	PND3	PND4	PND5	PND7	PND8	PND9	PND10	PND11	PND12	PND12	PND13	PND14	PND15
A2	2002	15	0	2	22	92	100	0	2	7	48	96	100	1	29	92	100
<i>Total</i>		<i>15</i>															
<i>Mean %</i>			<i>0</i>	<i>2</i>	<i>22</i>	<i>92</i>	<i>100</i>	<i>0</i>	<i>2</i>	<i>7</i>	<i>48</i>	<i>96</i>	<i>100</i>	<i>1</i>	<i>29</i>	<i>92</i>	<i>100</i>
<i>SD</i>																	

PND = postnatal day

Historical Control Data**Mouse Crl: OF1****Maternal body weight gain (g) during gestation**

Study	Year	Dams with live fetuses	Gestation days 0 to 4		Gestation days 4 to 8		Gestation days 8 to 13	
			Mean	SD	Mean	SD	Mean	SD
A11-1	2011	24	0.8	0.9	2.7	0.8	8.2	1.5
A11-2	2011	23	2.2	1.0	3.0	0.7	8.6	1.6
A11-3	2011	22	1.3	1.1	2.1	0.8	8.0	1.6
<i>Total</i>		<i>69</i>						
<i>Mean</i>			<i>1.4</i>		<i>2.6</i>		<i>8.3</i>	
<i>SD</i>				<i>1.1</i>		<i>0.8</i>		<i>1.6</i>

Historical Control Data**Mouse Crl: OF1****Maternal food consumption (g/day) during gestation**

Study	Year	Dams with live fetuses	Gestation days 0 to 4		Gestation days 4 to 8		Gestation days 8 to 13	
			Mean	SD	Mean	SD	Mean	SD
A11-1	2011	24	6.1	2.9	6.7	1.6	7.1	0.9
A11-2	2011	23	6.5	2.4	7.4	1.8	7.4	0.5
A11-3	2011	22	5.2	1.5	6.6	1.2	7.3	1.1
<i>Total</i>		<i>69</i>						
<i>Mean</i>			<i>5.9</i>		<i>6.9</i>		<i>7.3</i>	
<i>SD</i>				<i>2.4</i>		<i>1.6</i>		<i>0.9</i>

Historical Control Data**Mouse Crl: OF1****Caesarean data collected on, or close to, day 13 of gestation**

Study	Year	Number of females		Pre-coital interval (days)		Number of females		Number of corpora lutea		Number of uterine implants		Pre-implantation loss %		Post-implantation loss %		Live embryos	
		Paired	Mated	Mean	SD	Pregnant	With live embryos	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A11-1	2011	25	25	3.12	2.22	24	24	14.0	2.1	13.6	2.1	2.5	3.7	8.8	12.4	12.5	2.7
A11-2	2011	25	25	2.40	1.26	23	23	14.5	3.5	14.2	3.6	2.4	5.2	4.5	6.4	13.6	3.7
A11-3	2011	25	25	2.52	0.90	24	22	13.7	1.6	12.9	2.3	6.6	10.4	8.7	10.2	11.9	2.7
<i>Total</i>		75	75 100%			71 95%	69 92%										
<i>Mean SD</i>				2.68	1.59			14.1	2.5	13.6	2.8	3.8	7.1	7.3	10.1	12.7	3.1

Historical Control Data**Mouse Crl: CD1****Maternal body weight gain (g) during gestation**

Study	Year	Dams with live fetuses	Gestation days 4 to 6		Gestation days 6 to 9		Gestation days 9 to 12		Gestation days 12 to 15		Gestation days 15 to 18		Gestation days 6 to 18	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A18	2018	7	3.2	1.2	2.2	1.0	4.7	2.1	7.3	3.6	10.0	4.2	24.1	10.3
Total		7												
Mean			3.2		2.2		4.7		7.3		10.0		24.1	
SD				1.2		1.0		2.1		3.6		4.2		10.3

Historical Control Data**Mouse Crl: CD1****Maternal food consumption (g/day) during gestation**

Study	Year	Dams with live fetuses	Gestation days 4 to 6		Gestation days 6 to 9		Gestation days 9 to 12		Gestation days 12 to 15		Gestation days 15 to 18		Gestation days 6 to 18	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A18	2018	7	11.8	9.2	10.7	5.3	7.4	3.2	7.3	1.5	8.9	2.0	8.6	1.9
Total		7												
Mean			11.8		10.7		7.4		7.3		8.9		8.6	
SD				9.2		5.3		3.2		1.5		2.0		1.9

Historical Control Data**Mouse Crl: CD1****Caesarean data collected on day 18 of gestation**

Study	Year	Number of females			Number of corpora lutea		Number of uterine implants		Pre-implantation loss %		Early resorptions per dam		Late resorptions per dam		Post-implantation loss %	
		Mated	Pregnant	With live fetuses												
					Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A18	2018	7	7	7	13.3	3.0	12.0	4.4	12.2	17.1	0.9	1.2	0.0	0.0	12.1	18.6
<i>Total</i>		7	7	7												
<i>Mean</i>			100%	100%	13.3		12.0		12.2		0.9		0.0		12.1	
<i>SD</i>						3.0		4.4		17.1		1.2		0.0		18.6

Historical Control Data**Mouse Crl: CD1****Caesarean data collected on day 18 of gestation**

Study	Year	Number of females			Dead fetuses Total	Live litter size		Fetal weight (g)		Uterus weight (g)		Sex ratio
		Mated	Pregnant	With live fetuses		Mean	SD	Mean	SD	Mean	SD	% males
A18	2018	7	7	7	0	11.1	5.5	1.54	0.13	22.5	8.7	43.4
Total		7	7	7	0							
Mean			100%	100%		11.1		1.54		22.5		43.4
SD							5.5		0.1		13.3	

Historical Control Data**Mouse Crl: CD1****Malformations (external, internat and skeletal)**

Study	Year	Number of litters examined	Number of fetuses examined	Number of litters with malformed fetuses	Litter Incidence %	Number of malformed fetuses	Fetal Incidence %	Type of malformation by fetus
A18	2018	8	91	1	12.5	3	3.3	1st to 3rd: Cleft palate
<i>Total 2018</i>		8	91	1	12.5%	3	3.3%	

Historical Control Data

Mouse Crl: CD1

FETAL EXAMINATION - EXTERNAL EXAMINATION ON DAY 18 OF GESTATION

PERIOD	2018	
Number of studies included	1	
Number of fetuses examined	91	
OBSERVATION	N	%
Cleft palate	3	3.30

Historical Control Data**Mouse Crl: CD1****FETAL EXAMINATION - FRESH VISCERAL EXAMINATION OF BODY ON DAY 18 OF GESTATION**

PERIOD	2018	
Number of studies included	1	
Number of fetuses examined	78	
OBSERVATION	N	%
Umbilical artery, Transposed	5	6.41

Historical Control Data

Mouse Crl: CD1

FETAL EXAMINATION - FIXED VISCERAL EXAMINATION OF HEAD ON DAY 18 OF GESTATION

PERIOD	2018	
Number of studies included	1	
Number of fetuses examined	37	
OBSERVATION	N	%
No abnormalities	-	-

Historical Control Data**Mouse Crl: CD1****FETAL EXAMINATION - SKELETAL EXAMINATION OF BODY ON DAY 18 OF GESTATION**

PERIOD	2018	
Number of studies included	1	
Number of fetuses examined	76	
OBSERVATION	N	%
Vertebrae, cervical: incomplete ossification of centrum	1	1.32
Vertebrae, lumbar: number = 5	2	2.63
Tarsal bone: incomplete ossification	34	44.74
Tarsal bone: unossified	28	36.84
Sternebrae: extra ossification site between 5th and 6th	4	5.26
Sternebrae: asymmetric	5	6.58
Sternebrae: minor fusion	1	1.32
Rib: supernumerary lumbar	1	1.32
Rib: supernumerary lumbar, short	10	13.16
Pelvic girdle, Malpositioned	1	1.32

Historical Control Data**Mouse Crl: CD1****FETAL EXAMINATION - SKELETAL EXAMINATION OF HEAD ON DAY 18 OF GESTATION**

PERIOD	2018	
Number of studies included	1	
Number of fetuses examined	41	
OBSERVATION	N	%
Cranium: sutural bone	10	24.39