

Reproductive Toxicology

Historical Control Data in Mice

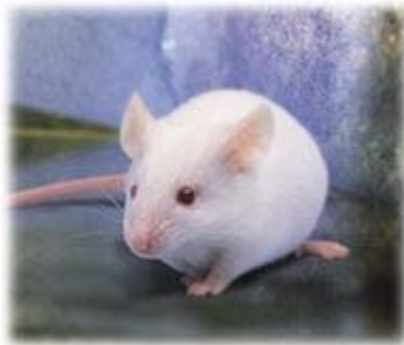


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¹ The HCD period is from Jan 2016 through Dec 2020. Additional HCD endpoints and years are available upon request.

REPRODUCTIVE INDICES
Ctrl:CD1(ICR) MICE
GESTATION DAY 13 CAESAREAN-SECTION

PERIOD: 2016 THROUGH 2020

	FULL STUDIES			DOSE RANGE STUDIES		
NO. OF STUDIES INCLUDED	19			1		
NO. OF MICE TESTED	481			14		
NO. OF MICE PREGNANT	448			12		
NO. FOUND DEAD	1			1		
NO. ABORTED	0			0		
NO. DELIVERED PREMATURELY	1			0		
CAESAREAN-SECTIONED ON GD 13	446			12		
	<u>MEAN</u>	<u>MIN</u>	<u>MAX</u>	<u>MEAN</u>	<u>MIN</u>	<u>MAX</u>
PREGNANT (%)	93.5	81.8	100.0	85.7	85.7	85.7
CORPORA LUTEA	15.1	13.0	17.1	13.6	13.6	13.6
IMPLANTATIONS	14.4	12.7	15.8	13.3	13.3	13.3
PREIMPLANTATION LOSS (%)	4.7	1.6	9.9	2.2	2.2	2.2
LITTER SIZE						
VIABLE EMBRYOS	13.2	11.0	14.6	13.1	13.1	13.1
NONVIABLE EMBRYOS	1.2	0.3	3.0	0.2	0.2	0.2
POSTIMPLANTATION LOSS (%)	8.6	2.6	24.5	1.5	1.5	1.5
DAMS WITH ANY NONVIABLE EMBRYOS (%)	55.2	28.6	77.0	8.3	8.3	8.3
DAMS WITH ALL NONVIABLE EMBRYOS (%)	0.4	0.0	4.5	0.0	0.0	0.0
DAMS WITH ONE OR MORE VIABLE EMBRYOS (%)	99.5	95.4	100.0	100.0	100.0	100.0
PLACENTAE APPEARED NORMAL (%)	100.0	100.0	100.0	--	--	--

Updated June 2021

SUMMARY OF REPRODUCTIVE INDICES
 Crl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION

PERIOD: 2016 THROUGH 2020

	FULL STUDIES			DOSE RANGE STUDIES		
NO. OF STUDIES INCLUDED	22			13		
NO. OF MICE TESTED	514			106		
NO. OF MICE PREGNANT	474			100		
NO. FOUND DEAD	1			0		
NO. ABORTED	0			0		
NO. DELIVERED PREMATURELY	4			0		
NO. OF MICE WITH SINGLE CONCEPTUS LITTER						
LIVE	2			0		
RESORBED	0			0		
ABORTED	0			0		
CAESAREAN-SECTIONED ON GD 18	468			100		
	<u>MEAN</u>	<u>MIN</u>	<u>MAX</u>	<u>MEAN</u>	<u>MIN</u>	<u>MAX</u>
PREGNANT (%)	92.1	77.3	100.0	94.2	75.0	100.0
CORPORA LUTEA	15.0	13.2	16.5	14.8	13.4	16.2
IMPLANTATIONS	14.5	12.9	15.6	14.4	13.3	15.8
PREIMPLANTATION LOSS (%)	3.4	0.0	7.5	3.4	0.0	12.0
LITTER SIZE						
LIVE FETUSES	13.6	12.1	15.0	13.4	11.9	14.8
DEAD FETUSES	0.0	0.0	0.1	0.01	0.0	0.1
TOTAL RESORPTIONS	0.9	0.4	1.7	0.9	0.3	1.9
EARLY RESORPTIONS	0.7	0.1	1.6	0.8	0.3	1.6
LATE RESORPTIONS	0.2	0.0	0.5	0.1	0.0	0.4
POSTIMPLANTATION LOSS (%)	6.6	3.0	12.6	7.4	1.8	17.1
DAMS WITH ANY RESORPTIONS (%)	51.3	20.0	85.7	55.1	25.0	100.0

Updated June 2021

SUMMARY OF REPRODUCTIVE INDICES
 Crl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION

PERIOD: 2016 THROUGH 2020

	FULL STUDIES 22			DOSE RANGE STUDIES 13		
	<u>MEAN</u>	<u>MIN</u>	<u>MAX</u>	<u>MEAN</u>	<u>MIN</u>	<u>MAX</u>
DAMS WITH ALL CONCEPTUSES RESORBED (%)	0.0	0.0	0.0	0.0	0.0	0.0
DAMS WITH ONE OR MORE LIVE FETUSES (%)	100.0	100.0	100.0	100.0	100.0	100.0
PLACENTAE APPEARED NORMAL (%)	99.7	95.2	100.0	100.0	100.0	100.0
SEX RATIO (% MALES/LITTER)	51.3	43.4	56.7	53.6	41.5	60.0
LIVE FETAL BODY WEIGHT GRAMS/LITTER	1.35	1.30	1.46	1.36	1.28	1.47
MALE FETUSES	1.38	1.32	1.48	1.38	1.29	1.48
FEMALE FETUSES	1.33	1.27	1.44	1.34	1.26	1.40

Updated June 2021

FETAL EXTERNAL ABNORMALITIES
 CrI:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED	5
NO. LITTERS EXAMINED	38
NO. LIVE FETUSES EXAMINED	514

			RANGE/STUDY			
			ABNORMALITIES	N	N	%
HEAD/NECK						
FACE	Palate	: Exencephaly	L	1	0-1	(0-12.5)
			F	1	0-1	(0-1.3)
		: Head, small	L	1	0-1	(0-12.5)
			F	1	0-1	(0-0.7)
	Eye	: Cleft	L	1	0-1	(0-12.5)
			F	1	0-1	(0-1.0)
		: Open eye, both	L	1	0-1	(0-12.5)
			F	1	0-1	(0-1.0)
: Open eye, right		L	1	0-1	(0-16.7)	
		F	2	0-2	(0-2.1)	
: Eye bulge, absent, both		L	1	0-1	(0-12.5)	
		F	1	0-1	(0-0.7)	
Mouth	: Absent	L	1	0-1	(0-12.5)	
		F	1	0-1	(0-0.7)	
Naris	: Absent, both	L	1	0-1	(0-12.5)	
		F	1	0-1	(0-0.7)	
Papillae	: Malpositioned	L	1	0-1	(0-12.5)	
		F	1	0-1	(0-0.7)	
Snout	: Absent	L	1	0-1	(0-12.5)	
		F	1	0-1	(0-0.7)	
TAIL						
	: Bent	L	1	0-1	(0-12.5)	
		F	1	0-1	(0-1.0)	

L: LITTER INCIDENCE

F: FETAL INCIDENCE

Note: All summary values are based on studies with fetal findings.

Updated June 2021

FETAL EXTERNAL ABNORMALITIES
 Crl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 FULL STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED 18

NO. LITTERS EXAMINED 381

NO. LIVE FETUSES EXAMINED 5176

		RANGE/STUDY		
ABNORMALITIES		N	N	%
HEAD/NECK				
	: Exencephaly	L	6	0-2 (0-8.7)
		F	7	0-2 (0-0.8)
	: Head, misshapen	L	2	0-2 (0-10.5)
		F	3	0-3 (0-1.3)
FACE				
Eye				
	: Open eye, both	L	8	0-1 (0-5.3)
		F	13	0-4 (0-1.3)
	: Open eye, left	L	3	0-2 (0-10.5)
		F	3	0-2 (0-0.9)
	: Open eye, right	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.3)
MOUTH				
Palate				
	: Cleft	L	13	0-3 (0-14.3)
		F	19	0-6 (0-2.0)
TRUNK				
Anus				
	: Absent	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.3)
Trunk				
	: Short	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.3)
Umbilicus				
	: Hernia	L	1	0-1 (0-5.3)
		F	1	0-1 (0-0.4)
FORE AND/OR HINDLIMB(S)				
	: Limb(s), rotated	L	8	0-2 (0-11.8)
		F	9	0-3 (0-1.3)
Hindlimb				
	: Absent, right	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.3)
	: Malrotated, right	L	2	0-1 (0-5.3)
		F	2	0-1 (0-0.4)
	: Hyperextension, right	L	1	0-1 (0-6.3)
		F	1	0-1 (0-0.4)

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FETAL EXTERNAL ABNORMALITIES
 Crl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 FULL STUDIES

		ABNORMALITIES		RANGE/STUDY		
				N	N	%
PAW/DIGITS	Hindpaw	: Supernumerary	L	1	0-1	(0-4.3)
			F	1	0-1	(0-0.4)
		: Hyperextension, left	L	1	0-1	(0-5.3)
			F	1	0-1	(0-0.4)
		: Hyperextension, right	L	1	0-1	(0-5.3)
			F	1	0-1	(0-0.4)
TAIL		: Bent	L	1	0-1	(0-4.8)
			F	1	0-1	(0-0.3)
		: Kinked	L	2	0-1	(0-4.8)
			F	2	0-1	(0-0.3)
		: Short	L	1	0-1	(0-4.8)
			F	1	0-1	(0-0.3)

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Updated June 2021

FETAL SOFT TISSUE ABNORMALITIES
 CrI:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED 3

NO. LITTERS EXAMINED 21

NO. FETUSES EXAMINED 245

	ABNORMALITIES		N	RANGE/STUDY	
				N	%
BRAIN	: Irregularly shaped	L	1	0-1	(0-12.5)
		F	1	0-1	(0-1.3)
	Lateral ventricle	L	1	0-1	(0-14.3)
		F	1	0-1	(0-1.8)
	: Absent, both	L	1	0-1	(0-14.3)
		F	1	0-1	(0-1.8)
	Olfactory lobe	L	1	0-1	(0-14.3)
		F	1	0-1	(0-1.8)
MOUTH	Tongue	L	1	0-1	(0-14.3)
		F	1	0-1	(0-1.8)
	Palate	L	2	0-1	(0-16.7)
		F	3	0-2	(0-2.1)
	: Cleft palate	L	2	0-1	(0-16.7)
		F	3	0-2	(0-2.1)
NASOPHARYNGEAL TRACT	Nasal conchae	L	1	0-1	(0-14.3)
		F	1	0-1	(0-1.8)
	: Absent, both	L	1	0-1	(0-14.3)

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Updated June 2021

FETAL SOFT TISSUE ABNORMALITIES
CrI:CD1(ICR) MICE
GESTATION DAY 18 CAESAREAN-SECTION
FULL STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED 15

NO. LITTERS EXAMINED 327

NO. FETUSES EXAMINED 2182

		RANGE/STUDY			
	ABNORMALITIES		N	N	%
BRAIN					
	: Misshapen	L	4	0-1	(0-5.3)
		F	4	0-1	(0-1.1)
	: Small	L	2	0-1	(0-5.3)
		F	2	0-1	(0-1.1)
EYE(S)					
	Retina(s)				
	: Folded	L	5	0-2	(0-8.3)
		F	5	0-2	(0-1.3)
	Eye				
	: Open eye	L	3	0-1	(0-4.8)
		F	4	0-2	(0-1.4)
	: Absent	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.7)
	Lens				
	: Discolored	L	2	0-2	(0-8.0)
		F	2	0-2	(0-1.1)
PALATE					
	: Cleft	L	7	0-2	(0-9.5)
		F	8	0-3	(0-2.1)
KIDNEY(S)					
	Pelvis				
	: Dilation, moderate	L	1	0-1	(0-4.0)
		F	1	0-1	(0-0.6)
GONAD					
	Epididymis				
	: Absent	L	1	0-1	(0-4.0)
		F	1	0-1	(0-0.6)
	Testis				
	: Absent	L	2	0-2	(0-8.0)
		F	2	0-2	(0-1.3)
INTESTINE					
	: Malpositioned	L	2	0-1	(0-5.3)
		F	2	0-1	(0-0.8)

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Updated June 2021

FETAL SKELETAL ABNORMALITIES
 Crl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED	1
NO. LITTERS EXAMINED	7
NO. FETUSES EXAMINED	48

		RANGE/STUDY			
	ABNORMALITIES		N	N	%
SKULL	Suture bone				
	: Supernumerary site	L	3	3	(42.9)
		F	6	6	(13.3)
VERTEBRAE	Cervical				
	: Supernumerary rib, cervical, short	L	5	5	(71.4)
		F	8	8	(17.5)
STERNUM	Sternebrae				
	: Fused	L	1	1	(14.3)
		F	1	1	(2.4)
	: Misshapen	L	2	2	(28.6)
		F	2	2	(4.4)
	: Incomplete ossification	L	1	1	(14.3)
		F	1	1	(2.4)

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Updated June 2021

FETAL SKELETAL ABNORMALITIES
Ctrl:CD1(ICR) MICE
GESTATION DAY 18 CAESAREAN-SECTION
FULL STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED	17
NO. LITTERS EXAMINED	359
NO. FETUSES EXAMINED	2544

SKULL	ABNORMALITIES	RANGE/STUDY		
		N	N	%
Suture bone	: Supernumerary site	L 194	3-21	(18.8-87.5)
		F 446	4-63	(4.8-37.3)
Frontals	: Incomplete ossification	L 4	0-2	(0-8.3)
		F 5	0-3	(0-1.8)
	: Misshapen	L 2	0-1	(0-4.8)
		F 2	0-1	(0-0.8)
Parietals	: Incomplete ossification	L 2	0-1	(0-4.3)
		F 2	0-1	(0-0.7)
	: Misshapen	L 1	0-1	(0-4.0)
		F 1	0-1	(0-0.5)
	: Absent, both	L 1	0-1	(0-4.8)
		F 1	0-1	(0-0.8)
Interparietals	: Absent	L 3	0-1	(0-4.8)
		F 3	0-1	(0-0.8)
Supraoccipitals	: Incomplete ossification	L 1	0-1	(0-4.3)
		F 1	0-1	(0-0.6)
	: Absent	L 3	0-1	(0-4.8)
		F 3	0-1	(0-0.8)
Palatine	: Incomplete ossification	L 3	0-2	(0-9.5)
		F 4	0-3	(0-1.9)
	: Split (previously Palatine, cleft)	L 5	0-1	(0-5.6)
		F 5	0-1	(0-0.7)
Squamosals	: Misshapen, both	L 1	0-1	(0-4.8)
		F 1	0-1	(0-0.8)

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FETAL SKELETAL ABNORMALITIES
 Ctrl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 FULL STUDIES

VERTEBRAE	ABNORMALITIES		N	RANGE/STUDY	
				N	%
VERTEBRAE	Caudal	: Centrum, incomplete ossification	L	1	0-1
			F	1	(0-4.8)
	Cervical	: Arch, incomplete ossification	L	13	0-3
			F	14	(0-14.3)
		: Arch, misshapen	L	3	0-3
			F	3	(0-1.9)
		: Arch, isolated ossification	L	3	0-2
			F	3	(0-9.5)
		: Centrum, unossified	L	1	0-1
			F	1	(0-4.8)
		: Cervical rib(s) present	L	2	0-1
			F	4	(0-0.6)
		: Supernumerary rib, cervical, full	L	2	0-2
			F	4	(0-9.5)
		: Supernumerary rib, cervical, short	L	4	0-4
			F	4	(0-2.6)
	Thoracic	: Vertebra, absent	L	50	0-14
			F	127	(0-76.5)
		: Arch, small	L	14	0-38
			F	19	(0-31.3)
		: Arch, absent	L	14	0-7
			F	19	(0-33.3)
		: Arches, fused	L	19	0-9
			F	19	(0-5.8)
		: Hemivertebra	L	164	0-19
			F	398	(0-82.6)
	Lumbar	: Centrum, bipartite ossification	L	398	0-56
			F	398	(0-33.9)
		: Centrum, misshapen	L	1	0-1
			F	1	(0-4.2)
		: Centrum, unilateral ossification	L	1	0-1
			F	1	(0-0.6)
		: Centrum, incomplete ossification	L	1	0-1
			F	1	(0-0.6)
		: Arch, fused	L	1	0-1
			F	1	(0-4.2)
		: Vertebra, absent	L	1	0-1
			F	1	(0-0.6)
		: Centrum, incomplete ossification	L	1	0-1
			F	1	(0-4.2)
		: Centrum, incomplete ossification	L	2	0-1
			F	2	(0-0.6)

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Updated June 2021

FETAL SKELETAL ABNORMALITIES
 Ctrl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 FULL STUDIES

		ABNORMALITIES		RANGE/STUDY	
			N	N	%
VERTEBRAE (CONTINUED)	Sacral				
		: Arch, misshapen	L 1	0-1	(0-4.3)
			F 1	0-1	(0-0.6)
		: Arch, absent	L 1	0-1	(0-4.8)
			F 1	0-1	(0-0.5)
		: Arch, malpositioned	L 1	0-1	(0-4.8)
			F 1	0-1	(0-0.5)
		: Centrum, fused	L 1	0-1	(0-4.8)
			F 1	0-1	(0-0.5)
		: Centrum, incomplete ossification	L 1	0-1	(0-4.8)
			F 1	0-1	(0-0.5)
RIBS		: Absent	L 2	0-1	(0-4.3)
			F 2	0-1	(0-0.6)
		: Fused	L 1	0-1	(0-4.2)
			F 1	0-1	(0-0.6)
		: Short	L 2	0-1	(0-4.3)
			F 2	0-1	(0-0.6)
		: Nodulated	L 1	0-1	(0-4.0)
		(previously thickened)	F 1	0-1	(0-0.6)
		: Misshapen	L 1	0-1	(0-4.8)
			F 1	0-1	(0-0.6)
		: Interrupted	L 2	0-1	(0-4.8)
			F 2	0-1	(0-0.6)
		: Thoracolumbar, full	L 6	0-6	(0-28.6)
			F 12	0-12	(0-7.7)
STERNUM		: Thoracolumbar, short	L 12	0-12	(0-57.1)
			F 18	0-18	(0-11.5)
	Manubrium				
		: Fused	L 1	0-1	(0-4.8)
			F 1	0-1	(0-0.7)
		: Misshapen	L 2	0-1	(0-5.9)
	Sternebra		F 2	0-1	(0-0.9)
		: Fused	L 18	0-4	(0-19.0)
			F 19	0-5	(0-3.2)
		: Asymmetric	L 34	0-5	(0-23.8)
			F 36	0-6	(0-3.5)

L: LITTER INCIDENCE

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Updated June 2021

FETAL SKELETAL ABNORMALITIES
 Ctrl:CD1(ICR) MICE
 GESTATION DAY 18 CAESAREAN-SECTION
 FULL STUDIES

		ABNORMALITIES		RANGE/STUDY	
			N	N	%
STERNUM (CONTINUED)					
	Sternebra (continued)				
	: Misshapen	L	20	0-5	(0-23.8)
		F	21	0-6	(0-3.6)
	: Incomplete ossification	L	13	0-4	(0-19.0)
		F	14	0-4	(0-2.5)
	: Supernumerary site	L	4	0-4	(0-19.0)
		F	7	0-7	(0-4.5)
	: Bipartite ossification	L	12	0-4	(0-19.0)
		F	14	0-4	(0-2.9)
PELVIC GIRDLE					
	Ilium				
	: Misshapen	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Pubis				
	: Fused	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
HINDLIMBS/FORELIMBS					
	Hindlimb(s)				
	: Calcaneus, absent, right	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Femur				
	: Absent, right	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Fibula				
	: Absent, right	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Talus				
	: Absent, right	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Tibia				
	: Absent, right	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Hindpaw				
	: Phalanges, supernumerary	L	1	0-1	(0-4.3)
		F	1	0-1	(0-0.7)
	: Phalanges, absent	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)
	Metatarsal				
	: Supernumerary	L	1	0-1	(0-4.3)
		F	1	0-1	(0-0.7)
	: Absent, right	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.5)

L: LITTER INCIDENCE

F: FETAL INCIDENCE

Note: All summary values are based on studies with fetal findings.

Updated June 2021

FETAL SKELETAL OSSIFICATION SITES
CrI:CD1(ICR) MICE
GESTATION DAY 18 CAESAREAN-SECTION
DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED	1
NO. LITTERS EXAMINED	7
NO. FETUSES EXAMINED	48

	MEAN	MINIMUM	MAXIMUM
HYOID	1.00	1.00	1.00
VERTEBRAE:			
CERVICAL	7.00	7.00	7.00
THORACIC	13.26	13.26	13.26
LUMBAR	5.72	5.72	5.72
SACRAL	4.00	4.00	4.00
CAUDAL	9.45	9.45	9.45
RIBS (pairs)	13.25	13.25	13.25
STERNUM			
MANUBRIUM	1.00	1.00	1.00
STERNAL	4.02	4.02	4.02
XIPHOID	1.00	1.00	1.00
FORELIMB ^a			
CARPALS	0.00	0.00	0.00
METACARPALS	4.00	4.00	4.00
DIGITS	5.00	5.00	5.00
PHALANGES	12.29	12.29	12.29
HINDLIMB ^a			
TARSALS	1.03	1.03	1.03
METATARSALS	5.00	5.00	5.00
DIGITS	5.00	5.00	5.00
PHALANGES	11.75	11.75	11.75

a. Calculated as mean per limb

FETAL SKELETAL OSSIFICATION SITES
CrI:CD1(ICR) MICE
GESTATION DAY 18 CAESAREAN-SECTION
FULL STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED 16

NO. LITTERS EXAMINED 338

NO. FETUSES EXAMINED 2702

	MEAN	MINIMUM	MAXIMUM
HYOID	1.00	0.98	1.06
VERTEBRAE:			
CERVICAL	7.00	7.00	7.00
THORACIC	13.22	13.10	13.46
LUMBAR	5.76	5.53	5.85
SACRAL	4.00	4.00	4.00
CAUDAL	7.57	6.91	9.72
RIBS (pairs)	13.19	13.08	13.39
STERNUM			
MANUBRIUM	1.00	1.00	1.00
STERNAL	4.03	4.00	4.07
XIPHOID	1.00	1.00	1.00
FORELIMB ^a			
CARPALS	0.00	0.00	0.00
METACARPALS	4.00	3.99	4.00
DIGITS	5.00	5.00	5.00
PHALANGES	12.07	11.87	12.28
HINDLIMB ^a			
TARSALS	0.91	0.70	1.34
METATARSALS	5.00	4.98	5.00
DIGITS	5.00	5.00	5.00
PHALANGES	11.36	10.79	12.30

a. Calculated as mean per limb

MALE FERTILITY AND REPRODUCTIVE ORGAN WEIGHTS
CrI:CD1(ICR) MICE
DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED - ORGAN WEIGHTS 1
NO. OF MICE TESTED - ORGAN WEIGHTS 14

ABSOLUTE REPRODUCTIVE ORGAN WEIGHTS

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
TERMINAL BODY WEIGHT (TBW)	36.8	36.8	36.8	1
TESTIS				
LEFT	0.1122	0.1122	0.1122	1
RIGHT	0.1194	0.1194	0.1194	1
LEFT, MINUS TUNICA VAGINALIS	0.0976	0.0976	0.0976	1
EPIDIDYMIS				
LEFT	0.0487	0.0487	0.0487	1
RIGHT	0.0496	0.0496	0.0496	1
CAUDA EPIDIDYMIS LEFT	0.0202	0.0202	0.0202	1
PROSTATE	0.0319	0.0319	0.0319	1
SEMINAL VESICLES WITH FLUID	0.3262	0.3262	0.3262	1

REPRODUCTIVE ORGAN WEIGHTS RELATIVE TO TERMINAL BODY WEIGHT (TBW)

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
TERMINAL BODY WEIGHT (TBW)	36.8	36.8	36.8	1
TESTIS (% TBW)				
LEFT	0.3061	0.3061	0.3061	1
RIGHT	0.3255	0.3255	0.3255	1
LEFT, MINUS TUNICA VAGINALIS	0.2661	0.2661	0.2661	1
EPIDIDYMIS (% TBW)				
LEFT	0.1324	0.1324	0.1324	1
RIGHT	0.1345	0.1345	0.1345	1
CAUDA EPIDIDYMIS LEFT (% TBW)	0.0547	0.0547	0.0547	1
PROSTATE (% TBW)	0.0870	0.0870	0.0870	1
SEMINAL VESICLES WITH FLUID (% TBW)	0.8802	0.8802	0.8802	1

Note: All summary values are based on all males with reproductive data.
All organ weights are measured in grams.

Updated June 2021

MALE FERTILITY AND REPRODUCTIVE ORGAN WEIGHTS
CrI:CD1(ICR) MICE
DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

REPRODUCTIVE ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHT (BRW)

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
BRAIN WEIGHT (BRW)	0.482	0.482	0.482	1
TESTIS (% BRW)				
LEFT	23.29	23.29	23.29	1
RIGHT	24.78	24.78	24.78	1
LEFT, MINUS TUNICA VAGINALIS	20.26	20.26	20.26	1
EPIDIDYMIS (% BRW)				
LEFT	10.12	10.12	10.12	1
RIGHT	10.29	10.29	10.29	1
CAUDA EPIDIDYMIS LEFT (% BRW)	4.19	4.19	4.19	1
PROSTATE (% BRW)	6.67	6.67	6.67	1
SEMINAL VESICLES WITH FLUID (% BRW)	67.69	67.69	67.69	1

MATING AND FERTILITY EVALUATIONS

NO. STUDIES INCLUDED - COHABITATION	0
TOTAL MICE IN COHABITATION	0

Note: All summary values are based on all males with reproductive data.
All organ weights are measured in grams.

Updated June 2021

MALE FERTILITY AND REPRODUCTIVE ORGAN WEIGHTS

CrI:CD1(ICR) MICE

FULL STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED - ORGAN WEIGHTS 20
NO. OF MICE TESTED - ORGAN WEIGHTS 511

ABSOLUTE REPRODUCTIVE ORGAN WEIGHTS

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
TERMINAL BODY WEIGHT (TBW)	40.4	37.5	47.8	20
TESTIS				
LEFT	0.1357	0.1252	0.1497	10
RIGHT	0.1406	0.1336	0.1498	10
PAIRED	0.2507	0.0330	0.3000	10
EPIDIDYMIS				
LEFT	0.1082	0.0497	0.5540	10
RIGHT	0.0787	0.0588	0.1446	10
PAIRED	0.1273	0.1170	0.1360	10
CAUDA EPIDIDYMIS LEFT	0.0213	0.0187	0.0244	10
PROSTATE	0.0616	0.0387	0.0970	13
SEMINAL VESICLES				
WITH FLUID	0.4372	0.3674	0.5058	11
WITHOUT FLUID	0.2024	0.2024	0.2024	1

REPRODUCTIVE ORGAN WEIGHTS RELATIVE TO TERMINAL BODY WEIGHT (TBW)

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
TERMINAL BODY WEIGHT (TBW)	40.4	37.5	47.8	20
TESTIS (% TBW)				
LEFT	0.3396	0.3220	0.3640	10
RIGHT	0.3533	0.3290	0.3757	10
PAIRED	0.6128	0.0960	0.7380	9
EPIDIDYMIS (% TBW)				
LEFT	0.1457	0.1310	0.1620	10
RIGHT	0.1468	0.0515	0.1700	10
PAIRED	0.3142	0.2830	0.3410	9
CAUDA EPIDIDYMIS LEFT (% TBW)	0.1477	0.0470	0.5310	10
PROSTATE (% TBW)	0.1528	0.0960	0.2414	13
SEMINAL VESICLES				
WITH FLUID (% TBW)	1.0789	0.9680	1.2030	11
WITHOUT FLUID (% TBW)	0.4990	0.4990	0.4990	1

Note: All summary values are based on all males with reproductive data (P, F1, F2 generation and all ages).
All organ weights are measured in grams.

Updated June 2021

MALE FERTILITY AND REPRODUCTIVE ORGAN WEIGHTS

CrI:CD1(ICR) MICE

FULL STUDIES

PERIOD: 2016 THROUGH 2020

REPRODUCTIVE ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHT (BRW)

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	NO. STUDIES <u>INCLUDED</u>
BRAIN WEIGHT (BRW)	0.537	0.530	0.544	2
TESTIS (% BRW)				
LEFT	25.50	24.90	26.10	2
RIGHT	26.90	26.30	27.50	2
EPIDIDYMIS (% BRW)				
LEFT	11.45	11.40	11.50	2
RIGHT	12.15	11.90	12.40	2
CAUDA EPIDIDYMIS LEFT (% BRW)	4.00	4.00	4.00	2
PROSTATE (% BRW)	8.20	7.30	9.10	2
SEMINAL VESICLES				
WITH FLUID (% BRW)	84.45	80.60	88.30	2
WITHOUT FLUID (% BRW)	38.10	38.10	38.10	1

MATING AND FERTILITY EVALUATIONS

NO. STUDIES INCLUDED - COHABITATION	21			
TOTAL MICE IN COHABITATION	526			
	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	NO. STUDIES <u>INCLUDED</u>
MICE IN COHABITATION	25	22	42	21
DAYS IN COHABITATION	2.7	1.8	4.1	20
MICE THAT MATED (%) ¹	96.9	72.0	100.0	21
MICE WITH CONFIRMED MATING DATES	23	18	37	21
FERTILITY INDEX ²	95.1	81.8	100.0	21
MICE MATING (%)				
DAYS 1-7	96.0	81.1	100.0	21
DAYS 8-14	10.6	4.0	18.9	7
MATED WITH SECOND FEMALE (%)				
DAYS 8-14	8.0	8.0	8.0	1
MICE PREGNANT/MICE IN COHABITATION (%)	91.8	64.0	100.0	21

¹ (Number of mice that mated/number of mice paired)*100

² (Number of pregnancies/number of mice that mated)*100

Note: All summary values are based on all males with reproductive data (P, F1, F2 generation and all ages).
All organ weights are measured in grams.

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FEMALE ESTROUS CYCLING, MATING, AND FERTILITY
CrI:CD1(ICR) MICE
DOSE RANGE FINDING STUDIES

PERIOD: 2016 THROUGH 2020

ESTROUS CYCLING EVALUATIONS

NO. OF STUDIES INCLUDED - ESTROUS	0
NO. OF MICE EVALUATED - ESTROUS	0

MATING AND FERTILITY EVALUATIONS

NO. OF STUDIES INCLUDED	1			
TOTAL MICE EVALUATED	14			
	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
MICE IN COHABITATION	14	14	14	1
DAYS IN COHABITATION	2.4	2.4	2.4	1
MICE THAT MATED (%) ¹	100.0	100.0	100.0	1
MICE WITH CONFIRMED MATING DATES	9	9	9	1
MICE MATED BY FIRST MALE (%) DAYS 1-7	100.0	100.0	100.0	1
FERTILITY INDEX (%) ²	85.7	85.7	85.7	1
MICE PREGNANT/MICE IN COHABITATION (%)	85.7	85.7	85.7	1

¹ (Number of mice that mated/number of mice paired)*100

² (Number of pregnancies/number of mice that mated)*100

Updated June 2021

FEMALE ESTROUS CYCLING, MATING, AND FERTILITY
 Crl:CD1(ICR) MICE
 FULL STUDIES

PERIOD: 2016 THROUGH 2020

NO. OF STUDIES INCLUDED - ESTROUS	15
NO. OF MICE EVALUATED - ESTROUS	375

PREDOSE ESTROUS EVALUATIONS

NO. OF MICE EVALUATED: PREDOSE ESTROUS	145
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	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
ESTROUS STAGES/21 DAYS	4.2	4.2	4.2	1
STAGES IN INTERVAL	3.0	2.8	3.3	5
MICE WITH 6 OR MORE CONSEC. DAYS OF DIESTRUS	0.7	0	1	6
MICE WITH 6 OR MORE CONSEC. DAYS OF ESTRUS	0.3	0	1	6

PRECOHABITATION ESTROUS EVALUATIONS

NO. OF MICE EVALUATED: PRECOHABITATION ESTROUS	375
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	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
ESTROUS STAGES/14 DAYS	2.8	2.6	2.9	6
STAGES IN INTERVAL	2.7	2.4	3.1	9
MICE WITH 6 OR MORE CONSEC. DAYS OF DIESTRUS	2.1	0	5	15
MICE WITH 6 OR MORE CONSEC. DAYS OF ESTRUS	0.6	0	2	15

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FEMALE ESTROUS CYCLING, MATING, AND FERTILITY
 Crl:CD1(ICR) MICE
 FULL STUDIES

PERIOD: 2016 THROUGH 2020

MATING AND FERTILITY EVALUATIONS

NO. OF STUDIES INCLUDED	23			
TOTAL MICE EVALUATED	574			
	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
MICE IN COHABITATION	25	22	42	23
DAYS IN COHABITATION	2.8	1.8	4.6	23
MICE THAT MATED (%) ¹	99.3	92.0	100.0	23
MICE WITH CONFIRMED MATING DATES	24	21	37	23
MICE MATED BY FIRST MALE (%)				
DAYS 1-7	94.4	72.0	100.0	23
DAYS 8-14	9.7	0.0	28.0	11
MICE MATED BY SECOND MALE (%)				
DAYS 8-14	7.3	4.5	9.5	3
FERTILITY INDEX (%) ²	93.0	81.8	100.0	23
MICE PREGNANT/MICE IN COHABITATION (%)	92.3	81.8	100.0	23

¹ (Number of mice that mated/number of mice paired)*100

² (Number of pregnancies/number of mice that mated)*100

Updated June 2021

HAMILTON-THORNE SPERM EVALUATION
CrI:CD1(ICR) MICE

PERIOD: 2016 THROUGH 2020

	SUMMARY			
TOTAL MICE TESTED	253			
TOTAL MICE INCLUDED IN ANALYSIS	252			
	MEAN	MIN	MAX	NO. STUDIES INCLUDED
<u>LEFT CAUDA EPIDIDYMAL SPERM MOTILITY</u>				
MOTILE PERCENT	80.4	62.5	88.9	11
<u>CAUDA EPIDIDYMAL SPERM COUNT</u>				
SPERM DENSITY ¹	2071.2	1098.7	2660.8	11
<u>TESTICULAR SPERMATID COUNT</u>				
SPERMATID DENSITY ²	103.4	103.4	103.4	1

¹ Million sperm/gram of tissue

² Million spermatid/gram of tissue

Updated June 2021

CAUDAL EPIDIDYMAL SPERM MORPHOLOGY
CrI:CD1(ICR) MICE

PERIOD: 2016 THROUGH 2020

SUMMARY

NO. OF STUDIES INCLUDED	7
NO. OF MICE INCLUDED	161

CAUDA EPIDIDYMAL SPERM MORPHOLOGY

	MEAN	MINIMUM	MAXIMUM
Normal	186.8	181.7	193.7
Percent abnormal	6.4	3.2	9.2
No hook	0.2	0	1.0
Excessive hook	0.0	0	0.1
No head	6.2	2.8	10.4
Detached head	5.6	3.1	9.0
Amorphous	0.3	0	1.2
Pin head	0.0	0	0.1
Two heads & tails	0.0	0	0.0
Short sperm head	0.0	0	0.0
Banana	0.0	0	0.0
Broken flagellum	0.3	0	0.7
Coiled flagellum	0.1	0	0.4
Bent flagellum	0.0	0	0.2
Bent flagellum tip	0.0	0	0.0
Other	0.0	0	0.0

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NATURAL DELIVERY AND LITTER PARAMETERS
 CrI:CD1(ICR) MICE
 (STUDIES WITH CULLING)

PERIOD: 2016 THROUGH 2020

NO. OF MICE ASSIGNED TO NATURAL DELIVERY	75			
NO. OF MICE PREGNANT	70			
NO. OF MICE DELIVERED LITTERS	70			
	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PREGNANT (%)	93.3	88.0	100.0	3
DELIVERED LITTERS (%)	100.0	100.0	100.0	3
DURATION OF GESTATION (DAYS)	19.7	19.6	19.8	3
IMPLANTATION SITES PER DELIVERED LITTER	14.0	13.4	14.6	3
MICE WITH STILLBORN PUPS (%)	2.9	0.0	4.5	3
MICE WITH NO LIVEBORN PUPS (%)	1.4	0.0	4.3	3
GESTATION INDEX (NO. MICE WITH LIVEBORN/ NO. PREGNANT MICE) (%)	98.5	95.6	100.0	3
MICE WITH ALL PUPS DYING DAYS 1-4 POSTPARTUM (%)	0.0	0.0	0.0	3
MICE WITH ALL PUPS DYING DAYS 5-21 POSTPARTUM (%)	0.0	0.0	0.0	3
PUPS DELIVERED (TOTAL)	13.0	12.4	13.4	3
LIVEBORN	12.9	12.3	13.4	3
LIVEBORN (%)	99.8	99.6	100.0	3
STILLBORN	0.0	0.0	0.0	3
STILLBORN (%)	0.2	0.0	0.4	3
UNKNOWN VITAL STATUS	0.0	0.0	0.0	1

NATURAL DELIVERY AND LITTER PARAMETERS
 CrI:CD1(ICR) MICE
 (STUDIES WITH CULLING)

PERIOD: 2016 THROUGH 2020

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PUPS FOUND DEAD OR PRESUMED CANNIBALIZED (%)				
DAY 1	0.1	0.0	0.3	3
DAYS 2-4	0.6	0.0	1.0	3
DAYS 5-7	0.2	0.0	0.5	3
DAYS 8-14	0.0	0.0	0.0	3
DAYS 15-18	0.0	0.0	0.0	1
DAYS 15-21	0.3	0.0	0.5	2
DAYS 19-21	0.0	0.0	0.0	1
VIABILITY INDEX (%)				
(No. Live pups PPD 4 / No. Live pups PPD 1)	99.3	98.6	100.0	3
LACTATION INDEX (%)				
(No. Live pups PPD 21 / No. Live pups PPD 4)	99.7	99.0	100.0	3
SURVIVING PUPS/LITTER				
Day 1	12.9	12.3	13.4	3
Day 4 (Preculling)	12.8	12.2	13.4	3
Day 4 (Postculling)	7.9	7.8	8.0	3
Day 7	7.9	7.8	8.0	3
Day 10	8.0	8.0	8.0	1
Day 14	7.9	7.8	8.0	3
Day 18	8.0	8.0	8.0	1
Day 21	7.9	7.8	8.0	3

NATURAL DELIVERY AND LITTER PARAMETERS
 CrI:CD1(ICR) MICE
 (STUDIES WITH CULLING)

PERIOD: 2016 THROUGH 2020

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PERCENT MALE PUPS PER NUMBER OF PUPS SEXED				
Day 1	48.4	47.3	49.2	3
Day 4 (Preculling)	48.4	47.3	49.4	3
Day 4 (Postculling)	49.8	49.0	51.1	3
Day 7	49.9	49.3	51.1	3
Day 10	49.3	49.3	49.3	1
Day 14	49.9	49.3	51.1	3
Day 18	51.2	51.2	51.2	1
Day 21	50.2	49.4	51.2	3
LIVE LITTER SIZE AT WEIGHING				
Day 1	12.9	12.3	13.4	3
Day 4 (Preculling)	12.8	12.2	13.4	3
Day 4 (Postculling)	7.9	7.8	8.0	3
Day 7	7.9	7.8	8.0	3
Day 10	8.0	8.0	8.0	1
Day 14	7.9	7.8	8.0	3
Day 18	8.0	8.0	8.0	1
Day 21	7.9	7.8	8.0	3

NATURAL DELIVERY AND LITTER PARAMETERS
 CrI:CD1(ICR) MICE
 (STUDIES WITH CULLING)

PERIOD: 2016 THROUGH 2020

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PUP WEIGHT/LITTER (GRAMS)				
Day 1	1.6	1.6	1.6	3
Day 4 (Preculling)	2.5	2.4	2.7	3
Day 4 (Postculling)	2.6	2.4	2.7	3
Day 7	4.8	4.5	5.0	3
Day 10	6.5	6.5	6.5	1
Day 14	8.4	7.8	9.1	3
Day 18	10.8	10.8	10.8	1
Day 21	13.3	12.3	14.0	3

NATURAL DELIVERY AND LITTER PARAMETERS
 Ctrl:CD1(ICR) MICE
 (STUDIES WITHOUT CULLING)

PERIOD: 2016 THROUGH 2020

NO. OF MICE ASSIGNED TO NATURAL DELIVERY	227			
NO. OF MICE PREGNANT	205			
NO. OF MICE DELIVERED LITTERS	203			
	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PREGNANT (%)	89.9	60.0	100.0	14
DELIVERED LITTERS (%)	99.6	94.4	100.0	14
DURATION OF GESTATION (DAYS)	19.4	17.9	20.0	14
IMPLANTATION SITES PER DELIVERED LITTER	13.6	12.4	15.7	14
MICE WITH STILLBORN PUPS (%)	1.0	0.0	4.8	14
MICE WITH NO LIVEBORN PUPS (%)	0.3	0.0	4.3	14
GESTATION INDEX (NO. MICE WITH LIVEBORN/ NO. PREGNANT MICE) (%)	99.3	94.4	100.0	14
MICE WITH ALL PUPS DYING DAYS 0-3 POSTPARTUM (%)	0.0	0.0	0.0	2
MICE WITH ALL PUPS DYING DAYS 1-4 POSTPARTUM (%)	0.8	0.0	4.5	11
MICE WITH ALL PUPS DYING DAYS 5-21 POSTPARTUM (%)	0.6	0.0	4.2	7
PUPS DELIVERED (TOTAL)	13.0	12.0	14.3	14
LIVEBORN	12.9	12.0	14.3	14
LIVEBORN (%)	99.8	98.9	100.0	14
STILLBORN	0.01	0.0	0.1	14
STILLBORN (%)	0.1	0.0	0.5	14
UNKNOWN VITAL STATUS	0.4	0.0	2.0	8
POSTIMPLANTATION LOSS / LITTER (%)	4.6	2.9	6.3	2

NATURAL DELIVERY AND LITTER PARAMETERS
 CrI:CD1(ICR) MICE
 (STUDIES WITHOUT CULLING)

PERIOD: 2016 THROUGH 2020

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PUPS FOUND DEAD OR PRESUMED CANNIBALIZED (%)				
DAY 1	0.3	0.0	3.2	12
DAYS 2-4	1.4	0.0	3.7	8
DAYS 5-7	0.5	0.0	1.5	8
DAYS 8-10	0.0	0.0	0.0	1
DAYS 8-14	1.0	0.0	4.8	5
DAYS 11-14	0.0	0.0	0.0	1
DAYS 15-17	0.4	0.4	0.4	1
DAYS 15-18	0.1	0.0	0.3	3
DAYS 18-21	0.7	0.7	0.7	1
DAYS 19-21	0.2	0.0	0.3	3
VIABILITY INDEX (%) (No. Live pups PPD 4 / No. Live pups PPD 1)	98.7	93.2	100.0	14
LACTATION INDEX (%) (No. Live pups PPD 21 / No. Live pups PPD 4)	96.9	82.8	100.0	10
SURVIVING PUPS/LITTER				
Day 1	13.0	12.0	14.3	12
Day 4	12.5	11.9	13.1	8
Day 7	12.5	11.7	13.1	8
Day 14	12.3	11.7	13.0	6
Day 18	12.4	11.7	12.9	5
Day 21	12.2	11.7	12.9	6

NATURAL DELIVERY AND LITTER PARAMETERS
 CrI:CD1(ICR) MICE
 (STUDIES WITHOUT CULLING)

PERIOD: 2016 THROUGH 2020

	<u>MEAN</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>	<u>NO. STUDIES INCLUDED</u>
PERCENT MALE PUPS PER NUMBER OF PUPS SEXED				
Birth	44.3	44.3	44.3	2
Day 1	50.9	44.3	59.3	12
Day 4	50.7	45.5	54.8	8
Day 7	50.7	45.5	54.8	8
Day 14	51.0	46.6	54.8	6
Day 18	50.5	46.6	54.8	5
Day 21	49.0	42.8	54.6	8
LIVE LITTER SIZE AT WEIGHING				
Day 1	13.0	12.0	14.3	12
Day 4	12.7	11.9	13.1	8
Day 7	12.6	11.8	13.1	8
Day 14	12.6	11.8	13.0	6
Day 18	12.7	12.2	12.9	5
Day 21	12.5	11.7	12.9	6
PUP WEIGHT/LITTER (GRAMS)				
Day 1	1.6	1.5	1.7	14
Day 4	2.6	2.4	2.8	10
Day 7	3.9	3.6	4.2	10
Day 10	4.9	4.7	5.0	2
Day 14	6.3	5.5	6.7	8
Day 17	6.5	5.9	7.1	2
Day 18	7.3	6.4	8.4	5
Day 21	9.6	7.2	11.2	8

SEXUAL MATURATION
CrI:CD1(ICR) MICE

PERIOD: 2016 THROUGH 2020

SUMMARY

SEXUAL MATURATION

TOTAL MALE MICE	451			
	MEAN	MINIMUM	MAXIMUM	NO. STUDIES INCLUDED
Preputial Separation (Mean day postpartum achieved)	27.9	24.1	36.8	19
Body Weight (g) on day of sexual maturity	20.3	14.8	29.8	19
TOTAL FEMALE MICE	359			
	MEAN	MINIMUM	MAXIMUM	NO. STUDIES INCLUDED
Vaginal Patency (Mean day postpartum achieved)	27.9	25.3	31.8	18
Body Weight (g) on day of sexual maturity	17.8	14.3	20.4	18

Updated June 2021