

**HEALTH MONITORING REPORT (SnKTT2-15 mouse)**

In accordance with FELASA recommendations

<b>Date of issue:</b> 15.12.2015 KO		<b>Unit:</b> Snellmania conventional				
<b>Species:</b> Mouse		<b>Strain:</b> BALB/cOlaHsd; LDLR/ApoB48-ko; Rosa26-rtTA; K14-Flt4xLDLR-/-/ApoB48; Fbn1/ApoE KO; SUR-1 x LDLR KO; VEGF-B-KOex3-7xLDLR/ApoB; Cln5-KO; Fbn1/ApoE KO; IGFII/ApoB; LDLR KO				
<b>Latest test date:</b> 23.11.2015		<b>Species and strains present within the unit:</b> Mouse; inbred strains, GM- strains Rat: RccHan:WIST, GM-strains Rabbit: WHHL, NZW; Swine				
		<b>Latest results</b>	<b>Testing laboratory</b>	<b>Test method</b>	<b>Results 14.04.15</b>	<b>Results 2014</b>
<b>Viruses</b>						
Ectromelia Virus	serum	NT	SDL	BEAD	0/12	0/18
Epizootic Diarrhoea of Infant Mice	pooled faecal	0/3	SDL	PCR	0/12	0/32
Hantaan Virus	serum	NT	SDL	BEAD	0/12	0/18
K Virus	serum	NT	SDL	BEAD	0/12	0/18
Lactate Dehydrogenase Elevating Virus	serum	NT	SDL	BEAD	0/12	0/18
Lymphocytic Choriomeningitis Virus	serum	NT	SDL	BEAD	0/12	0/18
Minute Virus of Mice	pooled faecal	0/3	SDL	PCR	0/12	0/32
Mouse Adenovirus 1	serum	NT	SDL	BEAD	0/12	0/18
Mouse Adenovirus 2	serum	NT	SDL	BEAD	0/12	0/18
Mouse Cytomegalovirus	serum	NT	SDL	BEAD	0/12	0/18
Mouse Encephalomyelitis Virus	pooled faecal	0/3	SDL	PCR	0/12	0/32
Mouse Hepatitis Virus	pooled faecal	0/3	SDL	PCR	0/12	0/32
Mouse Parvovirus	serum	NT	SDL	BEAD	0/12	0/32
	MLN	NT	SDL	PCR	NT	NT
	faecal	NT	SDL	PCR	NT	NT
	pooled faecal	0/3	SDL	PCR	NT	NT
NS1	serum	NT	SDL	BEAD	0/12	0/32
Mouse Thymic Virus	serum	NT	SDL	BEAD	0/12	0/18
Pneumonia Virus of Mice	serum	NT	SDL	BEAD	0/12	0/32
Murine Norovirus	serum	0/3	SDL	RT/PCR	0/12	0/32
	pooled faecal	NT	SDL	BEAD	NT	NT
Polyoma Virus	serum	NT	SDL	BEAD	0/12	0/18
Prospect Hill Virus	serum	NT	SDL	BEAD	NT	0/18
Reovirus Type 3	serum	NT	SDL	BEAD	0/12	0/18
Sendai Virus	serum	NT	SDL	BEAD	0/12	0/32
<b>Bacteria, Mycoplasma and Fungi</b>						
<i>Bordetella bronchiseptica</i>	swab/pooled	0/3	SDL	CULT/AGG	0/12	0/33
CAR bacillus	serum	NT	SDL	BEAD/IFA	0/12	0/19
<i>Citrobacter rodentium</i>	swab/pooled	0/3	SDL	CULT	0/12	0/26
<i>Clostridium piliforme</i>	serum	NT	SDL	BEAD	0/12	0/32
<i>Corynebacterium kutscheri</i>	swab/pooled	NT	SDL	CULT	0/12	0/33
<i>Helicobacter spp.</i>	pooled faecal	0/3	SDL	PCR	0/7	0/15
	faecal	NT	SDL	PCR	NT	NT
<i>Klebsiella spp.</i>	swab/pooled	0/3	SDL	CULT	NT	0/26
<i>Mycoplasma pulmonis</i>	serum	NT	SDL	BEAD	0/12	0/32
<i>Pasteurellaceae</i>	swab/pooled	0/3	SDL	CULT	0/12	0/33
<i>Pasteurella pneumotropica</i>	pooled faecal	0/3	SDL	PCR	NT	0/15
<i>Pseudomonas aeruginosa</i>	swab/pooled	0/3	SDL	CULT	0/12	0/33
<i>Salmonella spp.</i>	swab/pooled	0/3	SDL	CULT	0/12	0/26
<i>Streptobacillus moniliformis</i>	swab/pooled	0/3	SDL	CULT	0/12	0/26
$\beta$ -haemolytic <i>Streptococci</i>	swab/pooled	0/3	SDL	CULT	0/12	0/33
<i>Staphylococcus aureus</i>	swab/pooled	0/3	SDL	CULT	0/12	0/33
<i>Streptococcus pneumoniae</i>	swab/pooled	0/3	SDL	PCR	0/12	0/33
<i>Yersinia spp.</i>	swab/pooled	0/3	SDL	CULT	0/12	0/26
<b>Parasites</b>						
Arthropods	fur	NT	SDL	visual	0/12	0/32
Encephalitozoon cuniculi	faecal pellets	NT	SDL	BEAD	0/12	0/19
Intestinal protozoa	faecal pellets	NT	SDL	MICR	0/12	0/18
	<i>Entamoeba spp</i>	pooled faecal	NT	SDL	PCR	NT
Faecal ova	faecal pellets	NT	SDL	FLOT/MICR	0/12	0/25
Intestinal helminths	pooled faecal	NT	SDL	MICR	0/12	0/32
<i>Aspicularis tetraptera</i>	pooled faecal	0/3	SDL	PCR	NT	0/15
<i>Syphacia muris</i>	pooled faecal	0/3	SDL	PCR	NT	0/15
<i>Syphacia obvelata</i>	pooled faecal	NT	SDL	PCR	NT	0/7

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Necropsy						
External Lesions/Abnormalities	animal	NT	LAC	visual	0/12	NT
Internal Lesions/Abnormalities	animal	NT	LAC	STEREO	0/12	NT

**23.11.2015.2015** – no positive findings; pooled samples taken from 12 and swabs from 3 mice.

**From other units of LAC:**

No positive findings.

**Historical results:**

**05.05.2015** – no positive findings;

**Canthia unit was under major cleaning and decontamination with hydrogen peroxide in Dec 2014. Rats caring *Helicobacter spp* were treated (Nov 2014...February 2015) and additionally tested in March and April 2015.**

**17.12.14**

Canthia 1 — From room 1225, 1226, 1228 only pooled faecal pellets were taken and tested for *Pasteurella pneumotropica*, *Helicobacter spp*, Norovirus, *Entamoeba spp* and pinworms for PCR. *Entamoeba spp* positive mice rooms 1225, 1226. *Helicobacter spp* pooled faecal sample in rats room 1229

Snellmania barrier — *Entamoeba spp* pooled faecal sample in mice (rooms 2260, 2261, 2262, 2263)

Snellmania conventional — *Entamoeba spp* pooled faecal sample in mice (rooms 2216, 2244, 2245, 2257, 2255) and in rats (rooms 2217, 2242)

**30.07.14**

Canthia 1 — *Helicobacter rodentium* pooled faecal sample rats room 1229.

Canthia 2 — *H. hepaticus* (rooms 1185 & 1186/1) and *H. rodentium* (room 1184); Murine norovirus mice (room 1184 - serology and pooled faecal, 1186/1 - serology)

**Former outbreaks:**

**10.5.2011**

**Mouse parvovirus found mesenteric lymph nodes and faecal samples in Bioteknia 2, Canthia 1, Snellmania Barrier and – Conventional. Barrier was renovated and biodecontaminated. From 2012 all samples neg.**

**A. tetraptera in .Canthia 1 found in 2011. Rodents were medicated with fenbendazole January-March 2012 due. All samples after that neg.**

1. Historical and latest test results: Number of animals positive / number of tested animals; NT not tested.
2. Abbreviations of laboratories: SDL: Surrey Diagnostics Limited, UK; Evira: Finnish Food Safety Authority, Kuopio; LAC – Lab Animal Centre, University of Eastern Finland, Kuopio.
3. Abbreviations of methods: BEAD – bead multiplex assay; MFIA: Multiplexed fluorometric immunoassay; CULT: Culture; PCR: Polymerase Chain Reaction; ELISA - enzyme-linked immunosorbent assay; IFA - Immunofluorescent assay ; MICR: Microscopy; FLOT – Faecal Flotation; STEREO – stereomicroscope; visual – visual observation

Pooled faecal pellets – usually collected from 5 different animals from same room;

Swab + pooled – also pooled faecal pellets in media collected from animals used for serology testing – usually 2 animals per room