

HEALTH MONITORING REPORT (Ca1TT2-15 mouse)

In accordance with FELASA recommendations

Date of issue: 15.12.2015 KO		Unit: Canthia 1, conventional; decontaminated Dec 2014				
Species: Mouse		Strain: C57BL/6J0laHsd; KI/1FSAT5-ko				
Latest test date: 23.11.2015		Species and strains present within the unit: Mouse; inbred strains, gene modified strains; Rat: : RCS dystrophic; RccHan:WIST				
		Latest results	Testing laboratory	Test method	Results 14.04.15	Results 2014
Viruses						
Ectromelia Virus	serum	NT	SDL	BEAD	0/2	0/2
Epizootic Diarrhoea of Infant Mice	pooled faecal	0/1	SDL	PCR	0/2	0/2
Hantaan Virus	serum	NT	SDL	BEAD	0/2	0/2
K Virus	serum	NT	SDL	BEAD	0/2	0/2
Lactate Dehydrogenase Elevating Virus	serum	NT	SDL	BEAD	0/2	0/2
Lymphocytic Choriomeningitis Virus	serum	NT	SDL	BEAD	0/2	0/2
Minute Virus of Mice	pooled faecal	0/1	SDL	PCR	0/2	0/2
Mouse Adenovirus 1	serum	NT	SDL	BEAD	0/2	0/2
Mouse Adenovirus 2	serum	NT	SDL	BEAD	0/2	0/2
Mouse Cytomegalovirus	serum	NT	SDL	BEAD	0/2	0/2
Mouse Encephalomyelitis Virus	pooled faecal	0/1	SDL	PCR	0/2	0/2
Mouse Hepatitis Virus	pooled faecal	0/1	SDL	PCR	0/2	0/2
Mouse Parvovirus	serum	NT	SDL	BEAD	0/2	0/2
	MLN	NT	SDL	PCR	NT	NT
	faecal	NT	SDL	PCR	NT	NT
	pooled faecal	0/1	SDL	PCR	NT	0/3
NS1	serum	NT	SDL	BEAD	0/2	0/2
Mouse Thymic Virus	serum	NT	SDL	BEAD	0/2	0/2
Murine Norovirus	serum	NT	SDL	BEAD	0/2	0/5
	pooled faecal	0/1	SDL	RT/PCR	0/2	0/2
Pneumonia Virus of Mice	serum	NT	SDL	BEAD	0/2	0/2
Polyoma Virus	serum	NT	SDL	BEAD	0/2	0/2
Prospect Hill Virus	serum	NT	SDL	BEAD	NT	0/2
Reovirus Type 3	serum	NT	SDL	BEAD	0/2	0/2
Sendai Virus	serum	NT	SDL	BEAD	0/2	0/2
Bacteria, Mycoplasma and Fungi						
<i>Bordetella bronchiseptica</i>	swab/pooled	0/1	SDL	CULT/AGG	0/2	0/2
CAR bacillus	serum	NT	SDL	BEAD/IFA	0/2	0/2
<i>Citrobacter rodentium</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Clostridium piliforme</i>	serum	NT	SDL	BEAD	0/2	0/2
<i>Corynebacterium kutscheri</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Helicobacter spp.</i>	pooled faecal	0/1	SDL	PCR	0/2	0/5
	faecal	NT	SDL	PCR	NT	NT
<i>Klebsiella spp.</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Mycoplasma spp</i>	serum	NT	SDL	BEAD	0/2	0/2
<i>Pasteurellaceae</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Pasteurella pneumotropica</i>	pooled faecal	0/1	SDL	PCR	NT	0/5
<i>Pseudomonas aeruginosa</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Salmonella spp.</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Streptobacillus moniliformis</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
β -haemolytic <i>Streptococci</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Staphylococcus aureus</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Streptococcus pneumonia</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
<i>Yersinia spp.</i>	swab/pooled	0/1	SDL	CULT	0/2	0/2
Parasites						
Arthropods	fur	NT	SDL	visual	0/2	0/4
Intestinal protozoa	faecal pellets	NT	SDL	FLOT/MICR	0/2	0/2
	<i>Entamoeba spp</i>	pooled faecal	NT	SDL	PCR	NT
Faecal ova	faecal pellets	NT	SDL	FLOT/MICR	0/2	0/2
Intestinal helminths	faecal pellets	NT	SDL	MICR	0/2	0/2
<i>Aspicularis tetraptera</i>	pooled faecal	0/1	SDL	PCR	NT	0/2
<i>Syphacia muris</i>	pooled faecal	0/1	SDL	PCR	NT	0/2
<i>Syphacia obvelata</i>	pooled faecal	NT	SDL	PCR	NT	NT
Necropsy						
External Lesions/Abnormalities	animal	NT	SDL	STEREO	0/2	NT

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Internal Lesions/Abnormalities	animal	NT	SDL	STEREO	0/2	NT
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23.11.2015 – no positive results; pooled samples from 2 mice and swab from 1.

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