

## HEALTH MONITORING REPORT (Ca1TT2-16 mouse)

In accordance with FELASA recommendations

<b>Date of issue:</b> 21.12.2016 KO		<b>Unit:</b> Canthia 1, conventional; <b>decontaminated Dec 2014</b>					
<b>Species:</b> Mouse		<b>Strain:</b> C57BL/6JOLA <sup>Hsd</sup> ; APdE9xJAXC57BL/6J; KI/1FSAT5-ko					
<b>Latest test date:</b> 28.11-2.12.16		<b>Species and strains present within the unit:</b> Mouse; inbred strains, gene modified strains; Rat: : RCS dystrophic; RccHan:WIST; Rabbits NZW					
		<b>Latest results</b>	<b>Testing laboratory</b>	<b>Test method</b>	<b>Results 18.04.16</b>	<b>Results 2015</b>	
<b>Viruses</b>							
Ectromelia Virus	serum	NT	SDL	BEAD	0/2	0/2	
Epizootic Diarrhoea of Infant Mice	serum	0/3	SDL	PCR	0/2	0/3	
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	serum	0/3	SDL	PCR	0/2	0/3	
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	serum	0/3	SDL	PCR	0/2	0/3	
Mouse Hepatitis Virus	serum	0/3	SDL	PCR	0/2	0/3	
Mouse Parvovirus	serum	0/3	SDL	BEAD	0/2	NT	
	MLN	NT	SDL	PCR	NT	NT	
	faecal	NT	SDL	PCR	NT	NT	
	pooled faecal	NT	SDL	PCR	NT	0/1	
NS1	serum	0/3	SDL	BEAD	0/2	0/2	
Mouse Thymic Virus	serum	NT	SDL	BEAD	0/2	0/2	
Murine Norovirus	serum	0/3	SDL	BEAD	0/2	0/2	
	pooled faecal	0/3	SDL	RT/PCR	NT	0/3	
Pneumonia Virus of Mice	serum	0/3	SDL	BEAD	0/2	0/2	
Polyoma Virus	serum	NT	SDL	BEAD	0/2	0/2	
Reovirus Type 3	serum	0/3	SDL	BEAD	0/2	0/2	
Sendai Virus	serum	0/3	SDL	BEAD	0/2	0/2	
<b>Bacteria, Mycoplasma and Fungi</b>							
<i>Bordetella bronchiseptica</i>	swab	0/3	SDL	CULT/AGG	0/2	0/3	
CAR bacillus	serum	NT	SDL	BEAD/IFA	0/2	0/2	
<i>Citrobacter rodentium</i>	pooled faecal	0/3	SDL	CULT	0/2	0/3	
<i>Clostridium piliforme</i>	serum	0/3	SDL	BEAD	0/2	0/2	
<i>Corynebacterium kutscheri</i>	swab	0/3	SDL	CULT	0/2	0/3	
<i>Helicobacter spp.</i>	pooled faecal	0/3	SDL	PCR	NT	0/3	
	faecal	NT	SDL	PCR	0/2	NT	
<i>Klebsiella spp.</i>	pooled faecal	0/3	SDL	CULT	0/2	0/3	
<i>Mycoplasma spp</i>	serum	0/3	SDL	BEAD	0/2	0/2	
<i>Pasteurellaceae</i>	swab	0/3	SDL	CULT	0/2	0/3	
<i>Pasteurella pneumotropica</i>	pooled faecal	0/3	SDL	PCR	0/2	0/3	
<i>Pseudomonas aeruginosa</i>	swab/pooled	0/3	SDL	CULT	0/2	0/2	
<i>Salmonella spp.</i>	pooled faecal	0/3	SDL	CULT	0/2	0/3	
<i>Streptobacillus moniliformis</i>	pooled faecal	0/3	SDL	CULT	0/2	0/3	
$\beta$ -haemolytic <i>Streptococci</i>	swab/pooled	0/3	SDL	CULT	0/2	0/3	
<i>Staphylococcus aureus</i>	swab/pooled	0/3	SDL	CULT	0/2	0/3	
<i>Streptococcus pneumonia</i>	swab	0/3	SDL	CULT	0/2	0/3	
<i>Yersinia spp.</i>	pooled faecal	0/3	SDL	CULT	0/2	0/3	
<b>Parasites</b>							
Arthropods	fur	NT	SDL	MICR	0/2	0/2	
Intestinal protozoa	faecal pellets	NT	SDL	FLOT/MICR	0/2	0/2	
	<i>Entamoeba spp</i>	pooled faecal	1/3	SDL	PCR	0/2	NT
	<i>Entamoeba muris</i>	faecal pellets	NT	SDL	MICR	0/2	0/2
<i>Giardia, Spironucleus</i>	faecal pellets	0/3	SDL	PCR	0/2	NT	
Faecal ova	faecal pellets	0/3	SDL	FLOT/MICR	0/2	0/2	
Intestinal helminths	faecal pellets	0/3	SDL	MICR	0/2	0/2	
	<i>Aspicularis tetraptera</i>	faecal pellets	0/3	SDL	PCR	0/2	0/1
	<i>Syphacia muris</i>	faecal pellets	NT	SDL	PCR	NT	0/1
	<i>Syphacia obvelata</i>	faecal pellets	0/3	SDL	PCR	0/2	NT
<b>Necropsy</b>							

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External Lesions/Abnormalities	animal	NT	SDL	STEREO	0/2	NT
Internal Lesions/Abnormalities	animal	NT	SDL	STEREO	0/2	NT

*Entamoeba spp* positive mice room 1224 by pooled faecal samples

### From other units of LAC:

Snellmania conventional — *Entamoeba spp* pooled faecal sample in mice (rooms 2216, 2255)

Canthia — *Entamoeba spp* pooled faecal sample in rats (rooms 1226, 1229, 1233)

### Historical results:

**18.04.16 – no positive findings**

**23.11.2015 – no positive findings, PCR from pooled samples**

**05.05.2015 – no positive findings; pooled samples taken from 15 mice and swabs from 3 mice.**

**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:

**After positive findings of Mouse Parvovirus (MPV) from mesenteric lymph nodes in mice in May 2011 barrier was renovated and biodecontaminated. New animals arrived 19. July 2012.**

### 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