

HEALTH MONITORING REPORT (Ca1TT1-17 mouse)

In accordance with FELASA recommendations

Date of issue: 2.08.2017KO		Unit: Canthia 1, conventional; decontaminated Dec 2014				
Species: Mouse		Strain: BALB/cOlaHsd; JAXC57BL/6J				
Latest test date: 12.05.17		Species and strains present within the unit: Mouse; inbred strains, gene modified strains; Rat: : RCS dystrophic; RccHan:WIST; Rabbits NZW				
		Latest results	Testing laboratory	Test method	Results 28.11-2.12.16	Results Nov 2015-2016
Viruses						
Ectromelia Virus	serum	0/3	SDL	BEAD	NT	0/2
Epizootic Diarrhoea of Infant Mice	serum	0/3	SDL	PCR	0/3	0/3
Hantaan Virus	serum	0/3	SDL	BEAD	NT	0/2
K Virus	serum	0/3	SDL	BEAD	NT	0/2
Lactate Dehydrogenase Elevating Virus	serum	0/3	SDL	BEAD	NT	0/2
Lymphocytic Choriomeningitis Virus	serum	0/3	SDL	BEAD	NT	0/2
Minute Virus of Mice	serum	0/3	SDL	PCR	0/3	0/3
Mouse Adenovirus 1	serum	0/3	SDL	BEAD	NT	0/2
Mouse Adenovirus 2	serum	0/3	SDL	BEAD	NT	0/2
Mouse Cytomegalovirus	serum	0/3	SDL	BEAD	NT	0/2
Mouse Encephalomyelitis Virus	serum	0/3	SDL	PCR	0/3	0/3
Mouse Hepatitis Virus	serum	0/3	SDL	PCR	0/3	0/3
Mouse Parvovirus	serum	0/3	SDL	BEAD	0/3	0/2
	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	0/3	0/2
Mouse Thymic Virus	serum	0/3	SDL	BEAD	NT	0/2
Murine Norovirus	serum	0/3	SDL	BEAD	0/3	0/2
	pooled faecal	NT	SDL	RT/PCR	0/3	0/1
Pneumonia Virus of Mice	serum	0/3	SDL	BEAD	0/3	0/2
Polyoma Virus	serum	0/3	SDL	BEAD	NT	0/2
Reovirus Type 3	serum	0/3	SDL	BEAD	0/3	0/2
Sendai Virus	serum	0/3	SDL	BEAD	0/3	0/2
Bacteria, Mycoplasma and Fungi						
<i>Bordetella bronchiseptica</i>	swab	0/3	SDL	CULT/AGG	0/3	0/3
CAR bacillus	serum	0/3	SDL	BEAD/IFA	NT	0/2
<i>Citrobacter rodentium</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Clostridium piliforme</i>	serum	0/3	SDL	BEAD	0/3	0/2
<i>Corynebacterium kutscheri</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Helicobacter spp.</i>	pooled faecal	NT	SDL	PCR	0/3	0/2
	faecal	0/3	SDL	PCR	NT	0/2
<i>Klebsiella spp.</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Mycoplasma spp</i>	serum	0/3	SDL	BEAD	0/3	0/2
<i>Pasteurellaceae</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Pasteurella pneumotropica</i>	swab	0/3	SDL	CULT	0/3	0/2
<i>Pasteurella pneumotropica</i> *	faecal	2/3	SDL	PCR	0/3	0/1
<i>Pseudomonas aeruginosa</i>	swab	0/3	SDL	CULT	0/3	0/2
<i>Salmonella spp.</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Streptobacillus moniliformis</i>	swab	0/3	SDL	CULT	0/3	0/3
β -haemolytic <i>Streptococci</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Staphylococcus aureus</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Streptococcus pneumonia</i>	swab	0/3	SDL	CULT	0/3	0/3
<i>Yersinia spp.</i>	swab	0/3	SDL	CULT	0/3	0/3
Parasites						
Arthropods	fur	0/3	SDL	MICR	NT	0/2
Intestinal protozoa	faecal pellets	0/3	SDL	FLOT/MICR	NT	0/2
<i>Entamoeba spp</i>	pooled faecal	0/3	SDL	MICR	1/3	0/2
<i>Entamoeba muris</i>	faecal pellets	0/3	SDL	MICR	NT	0/2
<i>Giardia, Spironucleus</i>	faecal pellets	0/3	SDL	MICR	0/3	0/2
Faecal ova	faecal pellets	0/3	SDL	FLOT/MICR	0/3	0/2
Intestinal helminths	faecal pellets	0/3	SDL	MICR	0/3	0/2
<i>Aspiculuris tetraptera</i>	faecal pellets	0/3	SDL	FLOT/MICR	0/3	0/2
<i>Syphacia muris</i>	faecal pellets	NT	SDL	PCR	NT	0/1

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<i>Syphacia obvelata</i>	faecal pellets	0/3	SDL	FLOT/MICR	0/3	0/2
Necropsy						
External Lesions/Abnormalities	animal	0/3	SDL	MICR	0/2	NT
Internal Lesions/Abnormalities	animal	0/3	SDL	MICR	0/2	NT

Pasteurella pneumotropica* (Jawetz) positive mice rooms 1224/2 and 1230 by pooled faecal samples by PCR, swabs were neg – **count as neg

From the same unit:

Canthia — *Pasteurella pneumotropica* (Jawetz) positive rats from rooms 1226 and 1228 by PCR by faecal samples, swabs were neg – **count as neg**

From other units of LAC:

Snellmania barrier — *Pasteurella pneumotropica* (Jawetz) positive mouse from room 2251 by faecal samples by PCR, swabs were neg, **considered as negative** as further test from faecal pellets and throat by PCR were neg.

Snellmania conventional — *Pasteurella pneumotropica* (Jawetz) positive mice from room 2242 by faecal samples by PCR, swabs were neg – **count as neg**. *Entamoeba spp* pooled faecal sample in mice (room 2217).

Pasteurellaceae were cultivated from rabbit in room 2245. *Pasteurella pneumotropica* (Jawetz & Heyl); *Pasteurella multocida* and *Bordetella bronchiseptica* and *Pasteurellaceae spp* **were negative** from faecal PCR by SDL and from additional swabs taken for cultivation on 8. June from (the same animals tested by Movet).

Historical results:

28.11-2.12.16– Snellmania conventional — *Entamoeba spp* pooled faecal sample in mice (rooms 2216, 2255)

Canthia — *Entamoeba spp* pooled faecal sample in mice (rooms 1224) and in rats (rooms 1226, 1229, 1233)

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.

Former outbreaks and decontaminations:

We have regularly accepted in animals with *Staphylococcus aureus* and we have had time-to-time positive results for *Entamoeba spp* (2014).

2014

Canthia unit had positive *Murine norovirus* and *Helicobacter rodentium* & *H. hepaticus* and 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. All samples after decontamination negative.

2011

***Mouse parvovirus* found mesenteric lymph nodes and faecal samples in Bioteknia 2, Canthia 1, Snellmania Barrier and – Conventional. Barrier was renovated and biodecontaminated. May 2011 New animals arrived 19. July 2012 From 2012 all samples neg. from all units.**

***A. tetraoptera* 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