

**HEALTH MONITORING REPORT (Ca1TT1-17rat)**

In accordance with FELASA recommendations

<b>Date of issue:</b> 02.08.2017KO		<b>Unit:</b> Canthia 1, conventional; <b>decontaminated Dec 2014</b>				
<b>Species:</b> Rat		<b>Strain:</b> RccHan:WIST				
<b>Latest test date:</b> 12.05.2017		<b>Species and strains present within the unit:</b> Rats: RCS dystrophic Mouse: inbred strains, GM- strains; Rabbits: NZW				
		<b>Latest results</b>	<b>Testing laboratory</b>	<b>Test method</b>	<b>Results 28.11-2.12.16</b>	<b>Results Nov 2015-2016</b>
<b>Viruses</b>						
Hantaan Virus	serum	0/3	SDL	BEAD	0/4	0/4
Kilham Rat Virus	serum	0/3	SDL	BEAD	0/4	0/5
Lymphocytic Choriomeningitis Virus	serum	0/3	SDL	BEAD	NT	0/4
Mouse Adenovirus 1	serum	0/3	SDL	BEAD	NT	0/4
Mouse Adenovirus 2	serum	0/3	SDL	BEAD	NT	0/4
Parainfluenza Virus	serum	0/3	SDL	BEAD	NT	0/4
Pneumonia Virus of Mice	serum	0/3	SDL	BEAD	0/4	0/4
Rat Minute Virus	serum	0/3	SDL	BEAD	0/4	0/5
Rat Parvovirus	serum	0/3	SDL	BEAD	0/4	0/5
NS1	serum	0/3	SDL	BEAD	0/4	0/4
Rat Rotavirus (Infectious Diarrhoea of Infant Rats) IDIR	serum	0/3	SDL	BEAD	NT	0/4
Rat Theilovirus (GDVII) <sup>a)</sup>	serum	0/3	SDL	BEAD	0/4	0/5
Reovirus Type 3	serum	0/3	SDL	BEAD	0/4	0/4
Sendai Virus	serum	0/3	SDL	BEAD	0/4	0/4
Sialodacryoadenitis Virus	serum	0/3	SDL	BEAD	0/4	0/5
Toolan's H-1	serum	0/3	SDL	BEAD	0/4	0/5
<b>Bacteria, Mycoplasma and Fungi</b>						
<i>Bordetella bronchiseptica</i>	swab	0/3	SDL	CULT/AGG	0/4	0/5
CAR bacillus	serum	0/3	SDL	BEAD/IFA	NT	0/4
<i>Citrobacter rodentium</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Clostridium piliforme</i>	serum	0/3	SDL	BEAD	0/4	0/4
<i>Corynebacterium kutscheri</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Helicobacter</i> sp	pooled faecal	NT	SDL	PCR	0/4	0/4
	faecal	0/3	SDL	PCR	NT	0/4
<i>Klebsiella</i> spp.	swab	0/3	SDL	CULT	0/4	0/4
<i>Mycoplasma</i> spp	serum	0/3	SDL	BEAD	0/4	0/4
<i>Pasteurella pneumotropica</i> *	faecal	2/3	SDL	PCR	NT	NT
<i>Pasteurella pneumotropica</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Pasteurellaceae</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Pneumocystis carinii</i>	serum	0/3	SDL	BEAD	0/4	0/4
<i>Pseudomonas aeruginosa</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Salmonella</i> spp.	swab	0/3	SDL	CULT	0/4	0/5
$\beta$ -haemolytic <i>Streptococci</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Staphylococcus aureus</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Streptobacillus moniliformis</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Streptococcus pneumoniae</i>	swab	0/3	SDL	CULT	0/4	0/5
<i>Yersinia</i> spp.	swab	0/3	SDL	CULT	0/4	0/5
<b>Parasites</b>						
Arthropods	fur	0/3	SDL	MICR	NT	0/4
Encephalitozoon cuniculi	serum	0/3	SDL	BEAD	NT	0/4
Faecal ova	faecal pellets	0/3	SDL	FLOT/MICR	NT	0/4
Intestinal protozoa	faecal pellets	0/3	SDL	MICR	NT	0/4
<i>Entamoeba</i> spp	faecal pellets	0/3	SDL	PCR	3/4	0/4
<i>Entamoeba muris</i>	faecal pellets	0/3	SDL	MICR	NT	0/4
<i>Giardia, Spironucleus</i>	faecal pellets	0/3	SDL	PCR	0/4	0/4
Intestinal helminths	faecal pellets	0/3	SDL	MICR	0/4	0/4
<i>Aspiculuris tetraptera</i>	faecal pellets	0/3	SDL	PCR	0/4	0/5
<i>Syphacia obvelata</i>	faecal pellets	0/3	SDL	PCR	0/4	0/5
<b>Necropsy</b>						
External Lesions/Abnormalities	animal	0/3	SDL	visual	NT	0/4
Internal Lesions/Abnormalities	animal	0/3	SDL	STEREO	NT	0/4

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a) Formerly tested for Murine Encephalomyelitis Virus

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

### From the same unit:

Canthia — *Pasteurella pneumotropica* (Jawetz) positive mice rooms 1224/2 and 1230 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