

**HEALTH MONITORING REPORT (SnBt2TT2-16 rat)**

In accordance with FELASA recommendations

<b>Date of issue:</b> 8.12.2017KO		<b>Unit:</b> Unit: Bioteknia 2, conventional; in the use from 12.04.2016				
<b>Species:</b> Rat		<b>Strain:</b> RccHan:WIST				
<b>Latest test date:</b> 6.11.2017		<b>Species and strains present within the unit:</b> Mouse; inbred strains, GM- strains Rat: RccHan:Wistar				
		<b>Latest results</b>	<b>Testing laboratory</b>	<b>Test method</b>	<b>Results</b> 28.11- 2.12.16	<b>Results</b> <b>2016</b>
<b>Viruses</b>						
Hantaan Virus	serum	0/1	SDL	BEAD	0/1	NT
Kilham Rat Virus	serum	0/1	SDL	BEAD	0/1	NT
Lymphocytic Choriomeningitis Virus	serum	NT	SDL	BEAD	NT	NT
Mouse Adenovirus 1	serum	NT	SDL	BEAD	NT	NT
Mouse Adenovirus 2	serum	NT	SDL	BEAD	NT	NT
Parainfluenza Virus	serum	NT	SDL	BEAD	NT	NT
Pneumonia Virus of Mice	serum	0/1	SDL	BEAD	0/1	NT
Rat Parvovirus	serum	0/1	SDL	BEAD	0/1	NT
NS1	serum	0/1	SDL	BEAD	0/1	NT
Rat Minute Virus	serum	0/1	SDL	BEAD	0/1	NT
Rat Rotavirus (Infectious Diarrhoea of Infant Rats) IDIR	serum	NT	SDL	BEAD	NT	NT
Rat Theilovirus (GDVII) <sup>a)</sup>	serum	0/1	SDL	BEAD	0/1	NT
Reovirus Type 3	serum	0/1	SDL	BEAD	0/1	NT
Sendai Virus	serum	0/1	SDL	BEAD	0/1	NT
Sialodacryoadenitis Virus	serum	0/1	SDL	BEAD	0/1	NT
Toolan's H-1	serum	0/1	SDL	BEAD	0/1	NT
<b>Bacteria, Mycoplasma and Fungi</b>						
<i>Bordetella bronchiseptica</i>	swab	0/1	SDL	CULT	0/1	NT
CAR bacillus	serum	NT	SDL	BEAD	NT	NT
<i>Citrobacter rodentium</i>	pooled faecal	0/1	SDL	CULT	0/1	NT
<i>Clostridium piliforme</i>	serum	0/1	SDL	BEAD	0/1	NT
<i>Corynebacterium kutscheri</i>	swab	0/1	SDL	CULT	0/1	NT
<i>Helicobacter spp.</i>	pooled faecal	NT	SDL	CULT/PCR	NT	NT
	faecal	NT	SDL	PCR	NT	NT
<i>Klebsiella spp.</i>	pooled faecal	0/1	SDL	CULT	0/1	NT
<i>Mycoplasma spp</i>	serum	0/1	SDL	BEAD	0/1	NT
<i>Pasteurella pneumotropica</i> (Heyl; Jawetz)	swab	0/1	SDL	CULT	0/1	NT
<i>Pasteurella pneumotropica</i> (Heyl; Jawetz)	pooled faecal	0/1	SDL	PCR	0/1	NT
<i>Pasteurella pneumotropica</i> (Heyl; Jawetz)*	oral	1/1	SDL	PCR	NT	NT
<i>Pasteurellaceae</i>	swab	0/1	SDL	CULT	0/1	NT
<i>Pneumocystis carinii</i>	serum	0/1	SDL	BEAD	0/1	NT
<i>Pseudomonas aeruginosa</i>	swab/pooled	0/1	SDL	CULT	0/1	NT
<i>Salmonella spp.</i>	pooled faecal	0/1	SDL	CULT	0/1	NT
$\beta$ -haemolytic <i>Streptococci</i>	swab/pooled	0/1	SDL	CULT	0/1	NT
<i>Staphylococcus aureus</i>	swab/pooled	0/1	SDL	CULT	0/1	NT
<i>Streptobacillus moniliformis</i>	pooled faecal	0/1	SDL	CULT	0/1	NT
<i>Streptococcus pneumoniae</i>	swab	0/1	SDL	CULT	0/1	NT
<i>Yersinia spp.</i>	pooled faecal	0/1	SDL	CULT	0/1	NT
<b>Parasites</b>						
Arthropods	fur	NT	SDL	MICR	NT	NT
Encephalitozoon cuniculi	serum	NT	SDL	BEAD	NT	NT
Intestinal protozoa	faecal pellets	NT	SDL	MICR	NT	NT
<i>Entamoeba spp</i>	faecal pellets	0/1	SDL	PCR	0/1	NT
<i>Entamoeba muris</i>	faecal pellets	0/1	SDL	MICR	0/1	NT
<i>Giardia, Spironucleus,</i>	faecal pellets	0/1	SDL	PCR	0/1	NT
Faecal ova	faecal pellets	NT	SDL	FLOT/MICR	NT	NT
Intestinal helminths	faecal pellets	NT	SDL	MICR	NT	NT
<i>Aspicularis tetraptera</i>	faecal pellets	0/1	SDL	MICR/FLOT/PCR	0/1	NT
<i>Syphacia muris</i>	faecal pellets	0/1	SDL	MICR/FLOT/PCR	0/1	NT
<i>Syphacia obvelata</i>	faecal pellets	0/1	SDL	PCR	NT	NT
<b>Necropsy</b>						
External Lesions/Abnormalities	animal	NT	SDL	visual	NT	NT
Internal Lesions/Abnormalities	animal	NT	SDL	STEREO	NT	NT

## HEALTH MONITORING REPORT (SnBt2TT2-16 rat) In accordance with FELASA recommendations

a) Formerly tested for Murine Encephalomyelitis Virus

\**Pasteurella pneumotropica* oral sample by PCR rats room 0420 (Jawetz). Pooled sample from the room and culture neg.

### From same unit:

*Entamoeba spp* pooled faecal sample in mice (room 0249) by PCR

### From other units of LAC:

Barrier — *Pasteurella pneumotropica* pos from the room 1258/2 by oral sample by PCR, pooled sample involving the same mouse was neg also culture.

Canthia — *Entamoeba spp* pooled faecal sample in mice (rooms 1231). *Pasteurella pneumotropica* oral sample by PCR from mice room 1226 (Heyl) oral and pooled from room 1224/2 (Jawetz) and pooled from room 1225 (Jawetz). Rats positive by oral and pooled rooms 1228 and 1233 (Jawetz), cultures neg.

### Historical results:

**12.05.17**

Barrier — *Pasteurella pneumotropica* (Jawetz) positive mouse from room 2251 by pooled faecal samples by PCR, swabs were neg, **considered as negative** as further test from faecal pellets and throat by PCR were neg (PCR, Idexx, 5 animals including former pos. cagemade)

Canthia — *Pasteurella pneumotropica* (Jawetz) positive mice rooms 1224/2 and 1230 and rats from rooms 1226 and 1228 by PCR by faecal samples, swabs were neg – **count as 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).

**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:

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

In Canthia 1 — *Helicobacter rodentium* was found rats and in Canthia 2 mice were positive *H. hepaticus* and *H. rodentium*); Murine norovirus. Mice were all killed before decontamination.

**After positive findings of Mouse Parvovirus (MPV) form 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