

**HEALTH MONITORING REPORT (SnBt2TT 2-18 rat)**

In accordance with FELASA recommendations

Date of issue: 27.01.19KO	Unit: Unit: Bioteknia 2, conventional; in the use from 12.04.2016					
Species: Rat	Strain: RccHan:WIST; SD					
Latest test date: 10.12.18	Species and strains present within the unit: Mouse; inbred strains, GM- strains					
		Latest results	Testing laboratory	Test method	Results 4.06.18	Results 6.11.17
Viruses						
Hantaan Virus	serum	0/2	SDL	BEAD	0/2	0/1
Kilham Rat Virus	serum	0/2	SDL	BEAD	0/2	0/1
Lymphocytic Choriomeningitis Virus	serum	NT	SDL	BEAD	0/2	NT
Mouse Adenovirus 1	serum	NT	SDL	BEAD	0/2	NT
Mouse Adenovirus 2	serum	NT	SDL	BEAD	0/2	NT
Parainfluenza Virus	serum	NT	SDL	BEAD	NT	NT
Pneumonia Virus of Mice	serum	0/2	SDL	BEAD	0/2	0/1
Rat Parvovirus	serum	0/2	SDL	BEAD	0/2	0/1
NS1	serum	NT	SDL	BEAD	0/2	0/1
Rat Minute Virus	serum	0/2	SDL	BEAD	0/2	0/1
Rat Rotavirus (Infectious Diarrhoea of Infant Rats) IDIR	serum	NT	SDL	BEAD	0/2	NT
Rat Theilovirus (GDVII) ^{a)}	serum	0/2	SDL	BEAD	0/2	0/1
Reovirus Type 3	serum	0/2	SDL	BEAD	0/2	0/1
Sendai Virus	serum	0/2	SDL	BEAD	0/2	0/1
Sialodacryoadenitis Virus	serum	0/2	SDL	BEAD	0/2	0/1
Toolan's H-1	serum	0/2	SDL	BEAD	0/2	0/1
Bacteria, Mycoplasma and Fungi						
<i>Bordetella bronchiseptica</i>	swab	0/2	SDL	CULT	0/2	0/1
CAR bacillus	serum	NT	SDL	BEAD	0/2	NT
<i>Citrobacter rodentium</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Clostridium piliforme</i>	serum	0/2	SDL	BEAD	0/2	0/1
<i>Corynebacterium kutscheri</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Helicobacter spp.</i>	pooled faecal	NT	SDL	CULT/PCR	NT	NT
	faecal	0/2	SDL	PCR	0/2	NT
<i>Klebsiella spp.</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Mycoplasma spp</i>	serum	0/2	SDL	BEAD	0/2	0/1
<i>Pasteurella pneumotropica</i> (Heyl; Jawetz)	swab	0/2	SDL	CULT	0/2	0/1
<i>Pasteurella pneumotropica</i> (Heyl; Jawetz)	pooled faecal	0/2	SDL	CULT	NT	0/1
<i>Pasteurella pneumotropica</i> (Heyl; Jawetz)*	oral	NT	SDL	PCR	NT	1/1
<i>Pasteurellaceae</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Pneumocystis carinii</i>	serum	0/2	SDL	BEAD	0/2	0/1
<i>Pseudomonas aeruginosa</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Salmonella spp.</i>	swab	0/2	SDL	CULT	0/2	0/1
β -haemolytic <i>Streptococci</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Staphylococcus aureus</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Streptobacillus moniliformis</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Streptococcus pneumoniae</i>	swab	0/2	SDL	CULT	0/2	0/1
<i>Yersinia spp.</i>	swab	0/2	SDL	CULT	0/2	0/1
Parasites						
Arthropods	fur	0/2	SDL	MICR	0/2	NT
Encephalitozoon cuniculi	serum	0/2	SDL	BEAD	0/2	NT
Intestinal protozoa	faecal pellets	0/2	SDL	MICR	0/2	NT
<i>Entamoeba spp</i>	faecal pellets	NT	SDL	PCR	NT	0/1
<i>Entamoeba muris</i>	faecal pellets	0/2	SDL	MICR	1/2	0/1
<i>Giardia, Spironucleus,</i>	faecal pellets	0/2	SDL	PCR	0/2	0/1
<i>Trichomonas sp, Tetratrichomonas sp, Enteromonas sp, Chliomastix sp,</i>	faecal pellets	NT	SDL	PCR	0/2	0/1
Faecal ova	faecal pellets	NT	SDL/AB	FLOT/MICR	0/2	NT
Intestinal helminths	faecal pellets	NT	SDL/AB	MICR	0/2	NT
<i>Aspicularis tetraptera</i>	faecal pellets	0/2	SDL/AB	PCR	0/2	0/1
<i>Syphacia muris</i>	faecal	0/2	SDL	PCR	0/2	0/1
Necropsy						
External Lesions/Abnormalities	animal	NT	SDL	visual	0/2	NT
Internal Lesions/Abnormalities	animal	NT	SDL	STEREO	0/2	NT

a) Formerly tested for Murine Encephalomyelitis Virus

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From same unit:

Pasteurella pneumotropica in mice pooled faecal PCR rooms 04119 and 0430 and oral for the 04119;
Entamoeba muris from mice rooms 04119.
Helicobacter spp by PCR did not confirm in double testing and therefore shown as neg

From other units of LAC:

Canthia — *Pasteurella pneumotropica* by PCR in mice rooms 1224/2, 1225, 1230 and 1231

Historical results:

4.06.18

Barrier — *Pasteurella pneumotropica* pos from the room 1258/2 by oral sample by PCR, pooled sample involving the same mouse was neg. **Testing for *Pasteurella pneumotropica* is active, no pos results.**

Canthia — *Pasteurella pneumotropica* in mice rooms 1224/2 and 1255;
Entamoeba muris from mice rooms 1224/2; 1226; 1228; 1230; 1231 and rat room 1233
Staphylococcus aureus from rabbit room 1184

Bioteknia 2 — *Entamoeba muris* from rat by microscopy room 0419.

6.11.17

Barrier — *Pasteurella pneumotropica* pos from the room 1258/2 by oral sample by PCR, pooled sample involving the same mouse was neg. **Testing for *Pasteurella pneumotropica* is active, no pos results.**

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.

Bioteknia 2 — *Entamoeba spp* pooled faecal sample in mice (room 0249); *Pasteurella pneumotropica* oral sample by PCR rats room 0420 (Jawetz).

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. cagemate)

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)

No positive findings on testing 2015 - May; Nov and 2016 - April.

Former outbreaks:

2014 in Canthia 1 — *Helicobacter rodentium* was found rats and in Canthia 2 mice were positive *H. hepaticus* and *H. rodentium*); Murine norovirus. All mice killed before decontamination. **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. All results neg.**

Mouse Parvovirus (MPV) found from mesenteric lymph nodes and faecal samples in mice in May 2011 from Bioteknia 2, Canthia 1 Snellmania Barrier and –Conventional. Barrier was renovated and biodecontaminated. New animals arrived 19. July 2012. From other units all samples neg since 2012.

A. tetraptera in Canthia 1 found in 2011. Rodents were medicated with fenbendazole January-March 2012. 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; 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