

HEALTH MONITORING REPORT (SnTT2-18 rabbit)

In accordance with FELASA recommendations

FACULTY OF HEALTH SCIENCES
LAB ANIMAL CENTRE

Date of issue: 27.01.19KO		Unit: renovated Snellmania , conventional, after renovation new screen, tested before 2017 (NZW)		
Species: Rabbit		Strain: NZW		
Latest test date: 10.12.2018		Species and strains present within the unit: Mouse; inbred strains, GM- strains Rat: Wistar, GM-strains		
		Latest results	Testing laboratory	Test method
Viruses				
Lymphocytic choriomeningitis virus	serum	NT	SDL	BEAD
Parainfluenza virus SV5	serum	NT	SDL	BEAD
Rabbit haemorrhagic disease virus	serum	NT	SDL	ELISA
Rabbit rotavirus	serum	0/1	SDL	BEAD
Reovirus III	serum	NT	SDL	BEAD
Sendai virus	serum	NT	SDL	BEAD
Bacteria, Mycoplasma and Fungi				
<i>Bordetella bronchiseptica</i>	swab/faecal	0/1	SDL	CULT/Agg
CAR Bacillus	serum	NT	SDL	BEAD/IFA
<i>Citrobacterium rodentium</i>	swab/faecal	0/1	SDL	CULT
<i>Corynebacterium kutscheri</i>	swab/faecal	0/1	SDL	CULT
<i>Clostridium piliforme</i>	serum	NT	SDL	BEAD
<i>Klebsiella spp.</i>	swab/faecal	0/1	SDL	CULT
<i>Pasteurellaceae</i>	swab/faecal	0/1	SDL	CULT
<i>Pasteurella multocida</i>	swab/faecal	0/1	SDL	CULT/PCR
<i>Pasteurella pneumotropica</i>	swab/faecal	0/1	SDL	CULT/PCR
<i>Pseudomonas aeruginosa</i>	swab/faecal	0/1	SDL	CULT
<i>Salmonella spp.</i>	swab/faecal	0/1	SDL	CULT
<i>Staphylococcus aureus</i>	swab/faecal	0/1	SDL	CULT
β -haemolytic <i>Streptococci</i>	swab/faecal	0/1	SDL	CULT
<i>Streptobacillus moniliformis</i>	swab/faecal	0/1	SDL	CULT
<i>Streptococcus pneumoniae</i>	swab/faecal	0/1	SDL	CULT
<i>Yersinia spp.</i>	swab/faecal	0/1	SDL	CULT
Parasites				
Arthropods	fur	NT	LAC	visual
<i>Coccidian spp</i>	faecal	NT	SDL	FLOAT/MIC
<i>Eimeria spp</i>	faecal	NT	SDL	FLOAT/MIC
<i>Encephalitozoon cuniculi</i>	serum	NT	SDL	BEAD
Intestinal helminths	faecal	NT	SDL	MICR
Intestinal protozoa	faecal	NT	SDL	MICR
<i>Passalurus ambiguus</i>	faecal	NT	SDL	FLOAT/MIC
<i>Toxoplasma gondii</i>	serum	NT	SDL	BEAD
<i>Entamoeba spp</i>	faecal	0/1	SDL	PCR

Results before renovation – please see year 2017.

From the same unit:

none

From other units of LAC:

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

Bioteknia 2 — *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.

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

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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. 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)

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