

## HEALTH MONITORING REPORT (Bt2TT2-16 mouse)

In accordance with FELASA recommendations

<b>Date of issue:</b> 21.12.2016 KO		<b>Unit:</b> Bioteknia 2, conventional; in the use from 12.04.2016				
<b>Species:</b> Mouse		<b>Strain:</b> BALB/cJRj				
<b>Latest test date:</b> 28.11-2.12.2016		<b>Species and strains present within the unit:</b> Mouse; inbred strains, gene modified strains; Rat:RccHan:WIST;				
		<b>Latest results</b>	<b>Testing laboratory</b>	<b>Test method</b>	<b>Results 18.04.16</b>	<b>Results 2015</b>
<b>Viruses</b>						
Ectromelia Virus	serum	NT	SDL	BEAD	NT	NT
Epizootic Diarrhoea of Infant Mice	serum	0/1	SDL	PCR	NT	NT
Hantaan Virus	serum	NT	SDL	BEAD	NT	NT
K Virus	serum	NT	SDL	BEAD	NT	NT
Lactate Dehydrogenase Elevating Virus	serum	NT	SDL	BEAD	NT	NT
Lymphocytic Choriomeningitis Virus	serum	NT	SDL	BEAD	NT	NT
Minute Virus of Mice	serum	0/1	SDL	PCR	NT	NT
Mouse Adenovirus 1	serum	NT	SDL	BEAD	NT	NT
Mouse Adenovirus 2	serum	NT	SDL	BEAD	NT	NT
Mouse Cytomegalovirus	serum	NT	SDL	BEAD	NT	NT
Mouse Encephalomyelitis Virus	serum	0/1	SDL	PCR	NT	NT
Mouse Hepatitis Virus	serum	0/1	SDL	PCR	NT	NT
Mouse Parvovirus	serum	0/1	SDL	BEAD	NT	NT
	MLN	NT	SDL	PCR	NT	NT
	faecal	NT	SDL	PCR	NT	NT
	pooled faecal	NT	SDL	PCR	NT	NT
NS1	serum	0/1	SDL	BEAD	NT	NT
Mouse Thymic Virus	serum	NT	SDL	BEAD	NT	NT
Murine Norovirus	serum	0/1	SDL	BEAD	NT	NT
	serum	NT	SDL	RT/PCR	NT	NT
Pneumonia Virus of Mice	serum	0/1	SDL	BEAD	NT	NT
Polyoma Virus	serum	NT	SDL	BEAD	NT	NT
Reovirus Type 3	serum	0/1	SDL	BEAD	NT	NT
Sendai Virus	serum	0/1	SDL	BEAD	NT	NT
<b>Bacteria, Mycoplasma and Fungi</b>						
<i>Bordetella bronchiseptica</i>	swab	0/1	SDL	CULT/AGG	NT	NT
CAR bacillus	serum	NT	SDL	BEAD/IFA	NT	NT
<i>Citrobacter rodentium</i>	pooled faecal	0/1	SDL	CULT	NT	NT
<i>Clostridium piliforme</i>	serum	0/1	SDL	BEAD	NT	NT
<i>Corynebacterium kutscheri</i>	swab	0/1	SDL	CULT	NT	NT
<i>Helicobacter spp.</i>	pooled faecal	0/1	SDL	PCR	NT	NT
	faecal	NT	SDL	PCR	NT	NT
<i>Klebsiella spp.</i>	pooled faecal	0/1	SDL	CULT	NT	NT
<i>Mycoplasma spp</i>	serum	0/1	SDL	BEAD	NT	NT
<i>Pasteurellaceae</i>	swab	0/1	SDL	CULT	NT	NT
<i>Pasteurella pneumotropica</i>	pooled faecal	0/1	SDL	PCR	NT	NT
<i>Pseudomonas aeruginosa</i>	swab/pooled	0/1	SDL	CULT	NT	NT
<i>Salmonella spp.</i>	pooled faecal	0/1	SDL	CULT	NT	NT
<i>Streptobacillus moniliformis</i>	pooled faecal	0/1	SDL	CULT	NT	NT
$\beta$ -haemolytic <i>Streptococci</i>	swab/pooled	0/1	SDL	CULT	NT	NT
<i>Staphylococcus aureus</i>	swab/pooled	0/1	SDL	CULT	NT	NT
<i>Streptococcus pneumonia</i>	swab	0/1	SDL	CULT	NT	NT
<i>Yersinia spp.</i>	pooled faecal	0/1	SDL	CULT	NT	NT
<b>Parasites</b>						
Arthropods	fur	NT	SDL	visual	NT	NT
Encephalitozoon cuniculi	serum	NT	SDL	BEAD	NT	NT
Intestinal protozoa	faecal pellets	NT	SDL	FLOT/MICR	NT	NT
<i>Entamoeba spp</i>	pooled faecal	0/1	SDL	PCR	NT	NT
<i>Entamoeba muris</i>	faecal pellets	NT	SDL	MICR	NT	NT
<i>Giardia, Spironucleus</i>	faecal pellets	0/1	SDL	PCR	NT	NT
Faecal ova	faecal pellets	0/1	SDL	FLOT/MICR	NT	NT
Intestinal helminths	faecal pellets	0/1	SDL	MICR	NT	NT
<i>Aspicularis tetraptera</i>	faecal pellets	0/1	SDL	PCR	NT	NT
<i>Syphacia muris</i>	faecal pellets	NT	SDL	PCR	NT	NT
<i>Syphacia obvelata</i>	faecal pellets	0/1	SDL	PCR	NT	NT

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Necropsy						
External Lesions/Abnormalities	animal	NT	SDL	STEREO	NT	NT
Internal Lesions/Abnormalities	animal	NT	SDL	STEREO	NT	NT

### From other units of LAC:

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)

### Historical results:

**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.

**Canthia unit 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.**

### 17.12.14

Canthia 1 — From room 1225, 1226, 1228 only pooled faecal pellets were taken and tested for *Pasteurella pneumotropica*, *Helicobacter spp*, Norovirus, *Entamoeba spp* and pinworms for PCR. *Entamoeba spp* positive mice rooms 1225, 1226. *Helicobacter spp* pooled faecal sample in rats room 1229  
 Snellmania barrier — *Entamoeba spp* pooled faecal sample in mice (rooms 2260, 2261, 2262, 2263)  
 Snellmania conventional — *Entamoeba spp* pooled faecal sample in mice (rooms 2216, 2244, 2245, 2257, 2255) and in rats (rooms 2217, 2242)

### 30.07.14

Canthia 1 — *Helicobacter rodentium* pooled faecal sample rats room 1229.  
 Canthia 2 — *H. hepaticus* (rooms 1185 & 1186/1) and *H. rodentium* (room 1184); Murine norovirus mice (room 1184 - serology and pooled faecal, 1186/1 - serology)

### Former outbreaks:

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