

HEALTH MONITORING REPORT (Bt1TT1-16 mouse)

In accordance with FELASA recommendations

Date of issue: 29.04.16 KO		Unit: Bioteknia 1, conventional, IVC; former results see SnK (unit monitored separately 2013)				
Species: Mouse		Strain: JAXC57BL/6J				
Latest test date: 18.04.16		Species and strains present within the unit: Mouse; inbred strains, gene modified strains; Rat:RccHan:WIST;				
		Latest results	Testing laboratory	Test method	Results 23.11.15	Results 2015-2014
Viruses						
Ectromelia Virus	serum	0/1	SDL	BEAD	NT	NT
Epizootic Diarrhoea of Infant Mice	serum	0/1	SDL	PCR	NT	NT
Hantaan Virus	serum	0/1	SDL	BEAD	NT	NT
K Virus	serum	0/1	SDL	BEAD	NT	NT
Lactate Dehydrogenase Elevating Virus	serum	0/1	SDL	BEAD	NT	NT
Lymphocytic Choriomeningitis Virus	serum	0/1	SDL	BEAD	NT	NT
Minute Virus of Mice	serum	0/1	SDL	PCR	NT	NT
Mouse Adenovirus 1	serum	0/1	SDL	BEAD	NT	NT
Mouse Adenovirus 2	serum	0/1	SDL	BEAD	NT	NT
Mouse Cytomegalovirus	serum	0/1	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	0/1	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	0/1	SDL	BEAD	NT	NT
Reovirus Type 3	serum	0/1	SDL	BEAD	NT	NT
Sendai Virus	serum	0/1	SDL	BEAD	NT	NT
Bacteria, Mycoplasma and Fungi						
<i>Bordetella bronchiseptica</i>	swab	0/1	SDL	CULT/AGG	NT	NT
CAR bacillus	serum	0/1	SDL	BEAD/IFA	NT	NT
<i>Citrobacter rodentium</i>	swab	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	NT	SDL	PCR	NT	NT
	faecal	0/1	SDL	PCR	NT	NT
<i>Klebsiella spp.</i>	swab	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	0/1	SDL	CULT	NT	NT
<i>Salmonella spp.</i>	swab	0/1	SDL	CULT	NT	NT
<i>Streptobacillus moniliformis</i>	swab	0/1	SDL	CULT	NT	NT
β -haemolytic <i>Streptococci</i>	swab	0/1	SDL	CULT	NT	NT
<i>Staphylococcus aureus</i>	swab	0/1	SDL	CULT	NT	NT
<i>Streptococcus pneumonia</i>	pooled faecal	0/1	SDL	CULT	NT	NT
<i>Yersinia spp.</i>	swab	0/1	SDL	CULT	NT	NT
Parasites						
Arthropods	fur	0/1	SDL	visual	NT	NT
Encephalitozoon cuniculi	serum	0/1	SDL	BEAD	NT	NT
Intestinal protozoa	faecal pellets	0/1	SDL	FLOT/MICR	NT	NT
<i>Entamoeba spp</i>	pooled faecal	0/1	SDL	PCR	NT	NT
<i>Entamoeba muris</i>	faecal pellets	0/1	SDL	MICR	NT	NT
<i>Giardia, Spironucleus, Trichomonas sp, Tetratrichomonas sp, Enteromonas sp, Chliomastix sp</i>	faecal pellets	0/1	SDL	MICR	NT	NT
Faecal ova	faecal pellets	0/1	SDL	FLOT/MICR	NT	NT
Intestinal helminths	faecal pellets	0/1	SDL	MICR	NT	NT

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<i>Aspiculuris 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
Necropsy						
External Lesions/Abnormalities	animal	0/1	SDL	STEREO	NT	NT
Internal Lesions/Abnormalities	animal	0/1	SDL	STEREO	NT	NT

From other units of LAC:

No positive findings.

Historical results:

23.11.2015 – no positive results; animals are originated from SnK

05.05.2015 – no positive findings;

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:

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 animal's 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