

**HEALTH MONITORING REPORT (Ca1TT1-16rat)**

In accordance with FELASA recommendations

| | | | | | | | |
|--|----------------|---|---------------------------|--------------------|-------------------------|--------------------------|--|
| Date of issue: 29.04.16 KO | | Unit: Canthia 1, conventional; decontaminated Dec 2014 | | | | | |
| Species: Rat | | Strain: RCS dystrophic; RccHan:WIST | | | | | |
| Latest test date: 18.04.16 | | Species and strains present within the unit: Mouse: inbred strains, GM- strains; Rabbits: NZW | | | | | |
| | | Latest results | Testing laboratory | Test method | Results 23.11.15 | Results 2015-2014 | |
| Viruses | | | | | | | |
| Hantaan Virus | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Kilham Rat Virus | serum | 0/4 | SDL | BEAD | 0/1 | 0/4 | |
| Lymphocytic Choriomeningitis Virus | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Mouse Adenovirus 1 | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Mouse Adenovirus 2 | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Parainfluenza Virus | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Pneumonia Virus of Mice | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Rat Minute Virus | serum | 0/4 | SDL | BEAD | 0/1 | 0/5 | |
| Rat Parvovirus | serum | 0/4 | SDL | BEAD | 0/1 | 0/5 | |
| NS1 | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Rat Rotavirus (Infectious Diarrhoea of Infant Rats) IDIR | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Rat Theilovirus (GDVII) ^{a)} | serum | 0/4 | SDL | BEAD | 0/1 | 0/5 | |
| Reovirus Type 3 | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Sendai Virus | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Sialodacryoadenitis Virus | serum | 0/4 | SDL | BEAD | 0/1 | 0/5 | |
| Toolan's H-1 | serum | 0/4 | SDL | BEAD | 0/1 | 0/5 | |
| Bacteria, Mycoplasma and Fungi | | | | | | | |
| <i>Bordetella bronchiseptica</i> | swab | 0/4 | SDL | CULT/AGG | 0/1 | 0/4 | |
| CAR bacillus | serum | 0/4 | SDL | BEAD/IFA | NT | 0/4 | |
| <i>Citrobacter rodentium</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Clostridium piliforme</i> | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| <i>Corynebacterium kutscheri</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Helicobacter spp</i> * | pooled faecal | 0/4 | SDL | PCR | 0/1 | 1/5 | |
| | faecal | 0/4 | SDL | PCR | NT | NT | |
| <i>Klebsiella spp.</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Mycoplasma spp</i> | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| <i>Pasteurella pneumotropica</i> | swab | 0/4 | SDL | PCR | 0/1 | 0/2 | |
| <i>Pasteurellaceae</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Pneumocystis carinii</i> | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| <i>Pseudomonas aeruginosa</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Salmonella spp.</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| β -haemolytic <i>Streptococci</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Staphylococcus aureus</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Streptobacillus moniliformis</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Streptococcus pneumoniae</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| <i>Yersinia spp.</i> | swab | 0/4 | SDL | CULT | 0/1 | 0/4 | |
| Parasites | | | | | | | |
| Arthropods | fur | 0/4 | SDL | MICR | NT | 0/4 | |
| Encephalitozoon cuniculi | serum | 0/4 | SDL | BEAD | NT | 0/4 | |
| Faecal ova | faecal pellets | 0/4 | SDL | FLOT/MICR | NT | 0/4 | |
| Intestinal protozoa | faecal pellets | 0/4 | SDL | MICR | NT | 0/4 | |
| <i>Entamoeba spp</i> | pooled faecal | 0/4 | SDL | PCR | NT | 0/2 | |
| Intestinal helminths | faecal pellets | 0/4 | SDL | MICR | NT | 0/4 | |
| <i>Aspicularis tetraptera</i> | pooled faecal | 0/4 | SDL | PCR | 0/1 | NT | |
| <i>Syphacia obvelata</i> | pooled faecal | 0/4 | SDL | PCR | 0/1 | NT | |
| Necropsy | | | | | | | |
| External Lesions/Abnormalities | animal | 0/4 | SDL | visual | NT | 0/4 | |
| Internal Lesions/Abnormalities | animal | 0/4 | SDL | STEREO | NT | 0/4 | |

a) Formerly tested for Murine Encephalomyelitis Virus

From other units of LAC:

No positive findings.



HEALTH MONITORING REPORT (Ca1TT1-16rat) In accordance with FELASA recommendations

Historical results:

23.11.15 – No positive results; pooled samples from 5 rats and swab from 1 rat.

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 (3 pooled faecal samples) and April 2015 – all negative.**

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:

A. tetraoptera 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