

**BioAnalytics**

IDEXX GmbH

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Humboldtstr. 2

70806 Kornwestheim, Germany

idxxbioanalytics-europe@idexx.comidexxbioanalytics.eu

Oslo University
Sognsvannsveien 9

Oslo 0372
Norway

16.04.2021**Case 45655-2021 (internal sample ID BR623642)**

Dear Dr. Zelewska,

As pointed out in another conversation before, the data set on *T. muris* DNA detection for case 45655-2021; sample ID BR623642 was as listed below when we released the report:

- First test result for *T. muris*: Cp = 33,8
- Re-test of the first TNA extract for *T. muris*: Cp = 32,2 and 32,5
- Test result of the second TNA extract (safety stock of the primary sample) for *T. muris* = negative!

Conclusion:

- a. Either the sample BR623642 is positive for *T. muris* indicating a fairly low concentration with DNA degradation in the safety stock
- b. Or contamination of the faeces during first sample extraction (quite a few samples with fairly high concentrations of *T. muris* DNA (Cp in the 20s) were in close vicinity on the extraction plate)

Please do note: all extraction QCs have been passed with no indication of contamination

Best way to rule out a. or b. is to resubmit a new sample.

The additional samples which all tested negative for *T. muris* DNA and the background information we then received on this matter

- Case 46110; sample IDs BR625287-296 (faeces and environmental swabs) and
- Case 46806; Sample IDs BR 627309-316 (faecal samples only)
- *"Positive samples from case 45655 came from the whole rack 501a (collected 2 pellets from 2 sentinels and 8 pellets from index animals). Rack 501a included 8 holdings cages and 1 sentinel cage. After receiving positive answer, the sentinel cage was euthanized and 8 holdings cages were moved to separate rack with ISO cages. Case 46806 included the same animals which was tested positive in case 45655."*



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are allowing to come to the safe final conclusion that the test result for sample ID BR623642 (case 45655-2021) indeed has to be interpreted as false positive due to a cross-contamination effect during the nucleic acid extraction procedure.

Thank you very much again for your collaboration to support the troubleshooting procedure and to solve the issue.

Please do accept my apologies for the confusion caused.

Yours sincerely

DocuSigned by:

i.A. 5F023D5F148142B...

Dr. Hans-Jörg Balzer
Head of Molecular Diagnostics

phone: +49 7154 17 50200
email: Joerg-Balzer@IDEXX.com