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***Test Information Sheet***

# Disinfectant Efficacy Test
# Bovine Enterovirus

This test is used to evaluate the efficacy of disinfectants in solution against Bovine Enterovirus (Enteric Cytopathogenic Bovine Orphan Virus – ECBO). If you intend to submit a disinfectant product for testing, please include a completed Sample Submission Form (available from APHA Scientific).

**Method**
The test method is based on **British Standard BS EN 14675:2006:** *Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary field. Test method and requirements (phase 2, step 1).*

The strain of virus used in this test was originally isolated from the stool of a healthy cow and may be described as LCR 4. Yeast and bovine albumin are included in the test as "soiling agents", in order to mimic any organic material that may be found when the products are used in the field.

The disinfectant product is tested against high levels of ECBO virus at three different dilutions, as specified by the customer. Following a reaction period of 30 minutes at 10$^{o}$C,
the level of remaining virus is determined.

**Results**
The dilution of disinfectant product that reduces the level of virus by at least 4log$^{10}$ (10,000) is considered to be effective.

The efficacy of disinfectant products when used in the field is dependent on many factors and these results must be used in conjunction with other data when deciding the appropriateness of use of individual products.

The turnaround time for this test is 14 days from receipt of sample and the results are issued as a signed Certificate of Analysis.

**Quality**
APHA tests are assured by compliance with the Quality Management System Standard ISO 9001:2008.

**Further information**
**Please note -** The results from this test do not represent disinfectant approval under the Defra 'Diseases of Animals (Approved Disinfectants) Order. For further details of this scheme, please visit our website:
http://www.defra.gov.uk/apha-en/tests-and-services/disinfectant-approvals/

A copy of the full technical procedure is available if required for regulatory purposes.

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