

Test Report: Standard Test Method for Efficacy of Antimicrobial Agents against Viruses in Suspension using Feline Coronavirus

Test Laboratory

BluTest Laboratories Ltd

Robertson Incubator (Level 4)
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Identification of sample

Name of the product
Manufacturer

SAFE 4

Safe Solutions Ltd, Wharton Green House, Bostock, Winsford,
Cheshire, CW7 3BD

Date of Delivery
Storage conditions
Active substances

4 December 2007
Room temperature and darkness
Not Known

Test Method and its validation

Method

SAFE4 was diluted and 0.8 ml mixed with 0.2 ml virus suspension (DMEM + 5% FBS) and 0.1 ml sterile distilled water

Dilution-neutralization
Neutralizer

Virus CPE detected by antibody staining
Eagles minimal essential medium + 5% v/v foetal bovine serum at 4°C

Experimental Conditions

Period of analysis
Product diluent used
Product test concentrations
Contact times
Test temperature
Interfering substance
Stability of mixture
Temperature of incubation
Identification of virus

7 – 13 May 2008
Sterile hard water
1.0 % V/V; 2.0 % V/V; 5.0% V/V
5 minutes ± 10s;
20°C ± 1°C
0.6 g/l foetal bovine serum
Precipitate absent throughout the test
37°C ± 1°C + 5% CO₂
Feline Coronavirus/CRFK Cells

Conclusion

SAFE 4 retains virucidal activity (> 4 log₁₀ reduction) at 5 minutes, at 1%V/V and 2% V/V contact at 20°C under CLEAN conditions (0.6 g/L protein as foetal bovine serum) for suspensions of Feline Coronavirus. Under the same conditions, cellular cytotoxicity reduced the sensitivity of the test 5% V/V, not allowing a >4 log₁₀ reduction to be demonstrated.

Signed



Dr Chris Woodall
Director, BluTest Laboratories Ltd
Glasgow, UK
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