

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

Test Laboratory

BluTest Laboratories Ltd

Robertson Incubator (Level 4)
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56 Dumbarton Road
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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
10 February 2006
Room temperature and darkness
Not Known

Date of Delivery
Storage conditions
Active substances

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

Dilution-neutralization
Neutralizer

Experimental Conditions

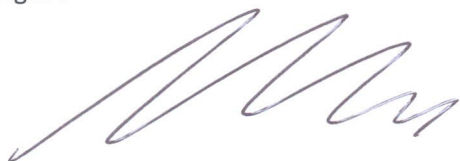
Period of analysis
Product diluent used
Product test concentrations
Contact times
Test temperature
Interfering substance
Stability of mixture
Temperature of incubation
Identification of virus

21 – 28 July 2006
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 Immunodeficiency Virus/CRFK Cells

Conclusion

SAFE 4 retains virucidal activity at 5 minutes contact, at 2 % V/V and 5% V/V, (reduction in viral viability, 3.10 and 3.2 0 Log₁₀ respectively) contact at 20°C under clean conditions (0,6 g/L protein as foetal bovine serum) for suspensions of Feline Immunodeficiency Virus.

Signed



Dr Chris Woodall
Director, BluTest Laboratories Ltd
Glasgow, UK
24 June 2010

SAFE 4 DISINFECTANT TESTED AGAINST FELINE IMMUNODEFICIENCY VIRUS

VANTOCIL IB CONCENTRATION	Contact time.	Log ₁₀ reduction in virus viability (mean of 4 samples, 6 replicates/sample)
1.0 % V/V	5 minutes	1.0 = FAIL
2.0 % V/V	5 minutes	3.1 = PASS
5.0 % V/V	5 minutes	3.2 = PASS

Controls	
CELL CULTURE	Cell death was not observed (2 replicates/sample controlled for each sample).
CYTOTOXICITY	Cytotoxicity was not observed at a greater dilution than 10 ⁻² . This restricts the sensitivity of the assay to <2.5 Log ₁₀ . TCID ₅₀ units/ml (2 samples, 6 replicates/sample).
VIRUS	Virus infectivity was observed at dilutions at 10 ⁻² . (2 samples, 6 replicates/sample).

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