

Test Report: Standard Test Method for Efficacy of Antimicrobial Agents against Viruses in Suspension using Hepatitis C Virus (Bovine Viral Diarrhoea Virus Surrogate)

Test Laboratory

BluTest Laboratories Ltd

Robertson Incubator (Level 4)
Robertson Building
56 Dumbarton Road
Glasgow, G11 6NU

Identification of sample

Name of the product
Manufacturer

SAFE 4 CONCENTRATE GREEN

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

Date of Delivery
Storage conditions
Active substances

2 March 2007
Room temperature and darkness
Not Known

Test Method and its validation

Method

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

Dilution-neutralization
Neutralizer

Dulbecco's modified Eagles 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

22 – 26 February 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
Bovine Viral Diarrhoea Virus surrogate ATCC VR – 1422

Conclusion

SAFE 4 Concentrate Green at 1.0 % V/V retains virucidal activity at 5 minutes contact at 20°C under clean conditions (0,6 g/L protein as foetal bovine serum) for suspensions of Hepatitis C virus (Bovine Viral Diarrhoea Virus surrogate ATCC VR – 1422).

Signed



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

SAFE 4 CONCENTRATE GREEN DISINFECTANT TESTED AGAINST HEPATITIS C VIRUS (Bovine Viral Diarrhoea Virus surrogate ATCC VR – 1422).

5 mins contact	VIRUS RECOVERY	CYTOTOXICITY (5.0% Disinfectant)	5.0% DISINFECTANT (v/v)	2.0% DISINFECTANT (v/v)	1.0% DISINFECTANT (v/v)
	(TCID ₅₀ /mL)	(TCID ₅₀ /mL)	(TCID ₅₀ /mL)	(TCID ₅₀ /mL)	(TCID ₅₀ /mL)
1	6.76E+06	3.16E+03	3.16E+03	3.16E+03	3.16E+02
2	1.00E+07	3.16E+03	3.16E+03	3.16E+03	3.16E+02
3	1.00E+07	3.16E+03	3.16E+03	3.16E+03	3.16E+02
4	1.00E+07	3.16E+03	3.16E+03	3.16E+03	3.16E+02
mean	9.19E+06	3.16E+03	3.16E+03	3.16E+03	3.16E+02
log	6.96	3.50	<3.50	<3.50	2.50
log difference		3.36	>3.46	>3.46	4.46

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