

BluScientific Test Data ⁻¹⁻

Test Report EN 1276. VANCOMYCIN RESISTANT ENTEROCOCCUS. Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas (phase 2, step 1).

Test Laboratory

BluScientific Test Data

School of Life Sciences
Glasgow Caledonian University
GLASGOW
G4 0BA

Identification of sample

Name of the product
Manufacturer

ASPERTICO
UNICO LIMITED, NORT MAIN STREET,
CARRONSHORE, FALKIRK, SCOTLAND FK2 BHT.

Date of Delivery
Storage conditions
Product diluent
Active substances

21.6.2006
4°C and darkness
Hard Water
Not known.

Test Method and its validation

Method

Filtration-neutralization
Neutralizer: Lecithin 3g/l, Polysorbate 80 30g/l, sodium thiosulphate 5g/l, L-histidine 1g/l, phosphate buffer 0.0025mol/l, sterilized by autoclave.

Experimental Conditions

Period of analysis
Product diluent used
Product test concentrations
Appearance product dilutions
Contact time
Test temperature
Interfering substance
Stability of mixture
Temperature of incubation
Identification of strains.

26th AUGUST 2006
Sterile synthetic hard water
5% W/V; 10% W/V; 80% V/V
Clear.
t = 5 min ± 10 s
20°C ± 1°C
0.3 g/l bovine albumin
No precipitation
37°C ± 1°C
Vancomycin Resistant Enterococcus NCTC 12201.

Conclusion.

According to testing carried out under conditions specified in EN 1276, ASPERTICO possesses bactericidal activity at a concentration of 5.00 % V/V after 5 minutes at 20°C under clean conditions (0,3 g/L bovine serum albumin) for referenced strains *Vancomycin Resistant Enterococcus* NCTC 12201.

Signed



Dr Chris Woodall, Director, BluScientific Test Data, 8TH SEPTEMBER 2006.

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EN1276: VRE: ASPERTICO UNICO LIMITED.

Test organisms	Validation test				Bacterial test Suspension (5.4.1.4)	Test procedure at concentration % (VM) (see 5.5.2)		
	Bacterial Suspension (see A.2)	Experimental conditions [see A.4.1a) and A.4.2a)]	Neutralizer toxicity control [see A.4.1b) or filtration control [see A.4.2b)]	Dilution-neutralization control [see A.4.1c) or filtration test control [see A.4.2c)]		5.0	10.0	80.00
<i>Vancomycin Resistant Enterococcus</i>	Vc:102; 98	Vc:80; 82	Vc:90; 74	Vc:80; 91	10 ⁵ ; 236;235	0; 0	0; 0	0; 0
NCTC 12201	Nw:1.0 x 10 ³	A: 8.1 x 10 ¹	B: 8.2 x 10 ¹	C: 8.6 x 10 ¹	10 ⁷ ; 16; 20 N:2.3 x 10 ⁸	<1.5 x 10 ²	<1.5 x 10 ²	<1.5 x 10 ²
Vc = viable count					R	>10 ⁵	>10 ⁵	>10 ⁵

N = number of cfu/ml of the bacterial test suspension (5.4.1.4)

Nw = number of cfu/ml in the bacterial suspension (A.2)

R = reduction in viability

Na = number of cfu/ml in the test mixture (see 5.5.2.2.3 or 5.5.2.3.3)

A = number of cfu/ml of the experimental conditions validation [A.4.1 a) or A.4.2a)]

B = number of cfu/ml of the neutralizer toxicity validation [A.4.1. b) or of the filtration validation [A.4.2. b)]

C = the number of cfu/ml of the dilution-neutralization validation [A.4.1. c) or the membrane filtration test validation [a.4.2.c)]