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EFFICACY TESTS (EN 1276)

NEWGENN HIGH LEVEL DISINFECTANT

NEWGENN RESEARCH LTD

SCIENTIFIC SERVICES

MILL FARM

MILL LANE

TUNSTEAD

NORWICH

NR12 8HP

01692 536303

Manufacturer: NewGenn Research Ltd,
Unit 5, Shepherd Grove Industrial Estate West,
Stanton,
Bury St Edmunds,
Suffolk,
IP31 2AR.

Test Products:

NewGenn High Level Disinfectant

Ingredients –Cocoamido propylbenzene ammonium
chloride, Di-decyl dimethyl ammonium chloride,
acidity modifiers

Lot No: D274/509N, 2007-08

Storage Conditions: Room temperature

Test Organisms: Streptococcus equi NCTC 9682

Test Method and Validation EN1276 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).

Product test concentration	1.0% (i.e. 0.8 % in the test)
Appearance of product dilution	Clear Blue solution
Contact time	1 minute
Test temperature	20 C
Interfering substance	Bovine albumin 0.3% (dirty conditions)
Inhibition method	Dilution neutralisation
Neutraliser	Tween 80 10%, Lecithin 3%, Sodium thiosulphate 0.5% Cystine 0.1% Histidine 0.1%

Tests were performed to establish the suitability of this neutraliser in neutralising the activity of the disinfectant without being toxic to the test organisms (method described in EN1276)

Summary of test method

The test method described in EN1276 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 area (Phase 2, step 1). Copies of EN 1276 are available from BSI, 389 Chiswick High Road, London W4 4AL.

The test method involves mixing 1ml of the test bacterium with 1ml of soil (albumin), and then adding 8ml of disinfectant solution. After the contact time, 1ml is removed and added to 9ml of recovery/neutraliser solution which is then plated out to detect surviving organisms.

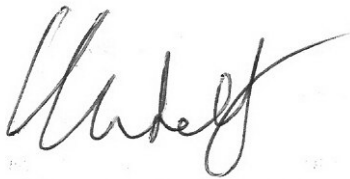
Bactericidal activity of
 NewGenn High Level Disinfectant
 Using Phase 2 step 1 Suspension Test EN1276
 Log (10) counts/reduction achieved
 (Test carried out in duplicate)

Log (10) reductions achieved			
Test Organism	Contact time	Log 10 initial count (challenge) Mean	Dirty conditions (0.3% albumin) Mean
Streptococcus equi	1 min	7.30	>6.30

To satisfy the requirements of this test a > 5 log(10) reduction in test bacteria is required within 5 minutes

Conclusion

NewGenn High Level Disinfectant, when tested under dirty conditions as specified in EN1276 complies with the criteria of acceptance ($> 5 \log (10)$ reduction in 5 minutes) after 1 minute against *Streptococcus equi*.



K.M. Self, M.B.I.C.Sc.,M.R.S.H.
Proprietor

30th January 2006

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