

EFFICACY TESTS (EN 1276)  
NEWGENN HIGH LEVEL DISINFECTANT

NEWGENN RESEARCH LIMITED

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Manufacturer: NewGenn Research Limited,  
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Test Products:

NewGenn High Level Disinfectant

Ingredients - Cocamido propylbenzene  
ammonium chloride, di-decyl dimethyl ammonium  
chloride, acidity modifiers

Lot No: 311001

Storage Conditions: Room temperature

Test Organisms Rhodococcus equi NCTC 1621

Test Method and Validation ENI276 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 solution
Contact time	1 minute, 5 minutes
Test Temperature	20C
Interfering substance	Bovine albumin  0.3% (dirty solutions)
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 ENI276)

#### Summary of test method

The test method is described in ENI276 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

Dirty conditions (0.3% albumin)

(Test carried out in duplicate)

Test Organism	Contact time	Log 10 initial count (challenge) Mean	Log (10) reductions achieved Mean
Rhodococcus equi	1 min	6.80	2.31
	5 min	6.80	> 5.80

To satisfy the requirements of this test a > 5 log<sub>10</sub> 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 for acceptance ( $> 5 \log(10)$  reduction in 5 minutes) after 5 minutes against *Rhodococcus equi*.

A handwritten signature in black ink on a light green background. The signature is stylized and appears to read 'KM. Self'.

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

8th November 2004