

EFFICACY TESTS (EN 1276)
NEWGENN INSTRUMENT DISINFECTANT

NEWGENN RESEARCH LIMITED

SCIENTIFIC SERVICES
MILL FARM
MILL LANE
TUNSTEAD
NORWICH
NR12 8HP

Manufacturer: NewGenn Research Limited,
5 Shepherds Grove Industrial Estate - West,
Stanton,
Bury St. Edmunds,
Suffolk IP31 2AR

Test Products:

NewGenn Instrument Disinfectant

Ingredients - Didecyl dimethyl ammonium chloride
Alkyl dimethyl benzyl ammonium chloride
Cocopropylenediamine guanidinium acetate
Orthophthalaldehyde
pH stabilisers, defoamer

Lot No: 4065

Storage Conditions: Room temperature

Test Organisms Bacillus subtilis **IPP** 5262 (spores)

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	Undiluted (i.e. 80% in the test)
Appearance of product dilution	Clear solution
Contact time	5, 10, 15,30 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% Histidin 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 is 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 Instrument 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
Bacillus subtilis	5 min	7.00	3.22
	10 min	7.00	3.89
	15 min	7.00	4.29
	30 min	7.00	5.40

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

Conclusion

NewGenn Instrument Disinfectant, when tested under dirty conditions as specified in EN1276 complies with the criteria for acceptance after 30 minutes. (> 5 log (10) reduction in 5 minutes required)

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

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

28th July 2004
K76740