

# Scientific Services

Consultant Microbiologist  
Animal Feed Chemists

Mill Farm,  
Mill Lane,  
Tunstead,  
Norwich,  
NR12 8HP.

Telephone: 01692 536303  
Facsimile: 01692 535213

## EFFICACY TESTS

NEWGENN HIGH LEVEL DISINFECTANT

NEWGENN RESEARCH LTD

## SCIENTIFIC SERVICES

MILL FARM  
MILL LANE  
TUNSTEAD  
NORWICH  
NR12 8HP  
01692 536303

28/7/04

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: 311001

Storage Conditions: Room temperature

Test Organisms: Clostridium difficile NCTC 11209  
(spores)

Product test concentration	1.0% (i.e. 0.8 % in the test)
Appearance of product dilution	Clear solution
Contact time	5, 10, 15, 30 minutes
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.

#### Summary of test method

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  
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
Clostridium difficile	5 min	7.32	2.14
	10 min	7.32	2.34
	15 min	7.32	2.53
	30 min	7.32	3.04

---

## Conclusion

NewGenn High Level Disinfectant, when tested at 0.8% concentration under dirty conditions at 20 degrees C, killed over 2 logs of Clostridium difficile spores in 5 minutes and over 3 logs in 30 minutes.

A handwritten signature in black ink, appearing to read 'K. Self', written in a cursive style.

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

28th July 2004