

## Certificate of Quality

**Product Name:** G. stearothermophilus ATCC 12980 PK/5  
**Lot Number:** 789135

**Product Number:** R4601219  
**Expiration Date:** 2010-12-31  
(YYYY-MM-DD)

This product has been manufactured, processed and packaged in accordance with Quality Systems Regulation, 21 CFR Part 820. Representative samples were tested per Remel Inc., a part of Thermo Fisher Scientific Quality Control specifications and were found to performance criteria for this product.

### Purity:

Standardized aliquots of the rehydrated product are inoculated onto nonselective media and examined for pure growth following the appropriate incubation. Selective and Differential media are also tested where applicable.

### Viability And Quantification:

Each organism is recovered from the preserved state within the required time frame and at an acceptable level. Passage number is stated as the current preserved state.

### Macroscopic And Microscopic Morphology:

Colony morphology is consistent with documented referenced description.  
Traditional staining is performed.

### Biochemical Analysis:

Organism exhibits characteristic biochemical and/or enzymatic reactions. Automated and/or conventional testing was performed and results were within established limits. Antimicrobial testing performed where applicable. Results within expected ranges.

CFU/loop:	>10(4)	Passage:	3
Gram Reaction:	Gram Positive Rod	Biochemical Profile:	Vitek BAC

Appearance: Preserved Gel Matrix suspended in inoculating loop  
pH: N/A

Note: G. stearothermophilus was formerly named Bacillus stearothermophilus.

Signed



Quality Control Supervisor