

**Cells from Microbial Mock Community C in PBS**

**Catalog No. HM-280**

**Product Description:** Microbial mock community C is a microbial cell mixture of 22 different bacterial strains in phosphate buffered saline (PBS). **Note: The label for HM-280 is incorrect. HM-280 contains microbial mock community C and not microbial mock community A.**

**Lot<sup>1</sup>: 59206563**

**Manufacturing Date: 11AUG2009**

TEST	SPECIFICATIONS	RESULTS
<b>DNA Sequencing of 16S Ribosomal RNA Genes from Mock Community C (~ 1500 bp)<sup>2,3</sup></b>	Consistent with <i>Acinetobacter baumannii</i> Consistent with <i>Actinomyces odontolyticus</i> Consistent with <i>Bacillus cereus</i> Consistent with <i>Bacteriodes vulgatus</i> Consistent with <i>Bifidobacterium adolescentis</i> Consistent with <i>Clostridium beijerinckii</i> Consistent with <i>Deinococcus radiodurans</i> Consistent with <i>Enterococcus faecalis</i> Consistent with <i>Escherichia coli</i> Consistent with <i>Helicobacter pylori</i> Consistent with <i>Lactobacillus gasseri</i> Consistent with <i>Listeria monocytogenes</i> Consistent with <i>Neisseria meningitidis</i> Consistent with <i>Porphyromonas gingivalis</i> Consistent with <i>Propionibacterium acnes</i> Consistent with <i>Pseudomonas aeruginosa</i> Consistent with <i>Rhodobacter sphaeroides</i> Consistent with <i>Staphylococcus aureus</i> Consistent with <i>Staphylococcus epidermidis</i> Consistent with <i>Streptococcus agalactiae</i> Consistent with <i>Streptococcus mutans</i> Consistent with <i>Streptococcus pneumoniae</i>	Consistent with <i>Acinetobacter baumannii</i> Consistent with <i>Actinomyces odontolyticus</i> Consistent with <i>Bacillus cereus</i> Consistent with <i>Bacteriodes vulgatus</i> Consistent with <i>Bifidobacterium adolescentis</i> Consistent with <i>Clostridium beijerinckii</i> Consistent with <i>Deinococcus radiodurans</i> Consistent with <i>Enterococcus faecalis</i> Consistent with <i>Escherichia coli</i> Consistent with <i>Helicobacter pylori</i> Consistent with <i>Lactobacillus gasseri</i> Consistent with <i>Listeria monocytogenes</i> Consistent with <i>Neisseria meningitidis</i> Consistent with <i>Porphyromonas gingivalis</i> Consistent with <i>Propionibacterium acnes</i> Consistent with <i>Pseudomonas aeruginosa</i> Consistent with <i>Rhodobacter sphaeroides</i> Consistent with <i>Staphylococcus aureus</i> Consistent with <i>Staphylococcus epidermidis</i> Consistent with <i>Streptococcus agalactiae</i> Consistent with <i>Streptococcus mutans</i> Consistent with <i>Streptococcus pneumoniae</i>
<b>Cell Count (Petroff-Hausser chamber)<sup>4</sup></b>	Report results Report results	$8.0 \times 10^{11}$ <i>Acinetobacter baumannii</i> $7.0 \times 10^{11}$ <i>Actinomyces odontolyticus</i> $5.0 \times 10^{11}$ <i>Bacillus cereus</i> $5.0 \times 10^{11}$ <i>Bacteriodes vulgatus</i> $8.0 \times 10^{10}$ <i>Bifidobacterium adolescentis</i> $1.6 \times 10^{12}$ <i>Clostridium beijerinckii</i> $9.0 \times 10^{11}$ <i>Deinococcus radiodurans</i> $2.0 \times 10^{10}$ <i>Enterococcus faecalis</i> $1.1 \times 10^{11}$ <i>Escherichia coli</i> $1.0 \times 10^{12}$ <i>Helicobacter pylori</i> $6.0 \times 10^{11}$ <i>Lactobacillus gasseri</i> $7.0 \times 10^{11}$ <i>Listeria monocytogenes</i> $1.1 \times 10^{11}$ <i>Neisseria meningitidis</i> $4.0 \times 10^{11}$ <i>Porphyromonas gingivalis</i> $7.0 \times 10^{10}$ <i>Propionibacterium acnes</i> $1.2 \times 10^{11}$ <i>Pseudomonas aeruginosa</i> $1.1 \times 10^{12}$ <i>Rhodobacter sphaeroides</i> $2.4 \times 10^{12}$ <i>Staphylococcus aureus</i> $1.1 \times 10^{11}$ <i>Staphylococcus epidermidis</i> $6.0 \times 10^{11}$ <i>Streptococcus agalactiae</i> $1.0 \times 10^{12}$ <i>Streptococcus mutans</i> $8.0 \times 10^{11}$ <i>Streptococcus pneumoniae</i>

TEST	SPECIFICATIONS	RESULTS
Concentration (cells/mL)	Report results	Each vial contains $1 \times 10^8$ cells per mL of each organism
Functional Activity by PCR Amplification <sup>2,3</sup> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon

<sup>1</sup>Preparation, QC testing and vialing was performed at Baylor College of Medicine in Houston, Texas.

<sup>2</sup>Genomic DNA was extracted using the Omega E.Z.N.A.<sup>®</sup> Bacterial DNA Kit.

<sup>3</sup>Sequencing was completed prior to compiling mock community mixture.

<sup>4</sup>The cell count of each organism per vial was calculated based on the number of viable organisms and the appropriate volume added to the vial.

Date: 17 DEC 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

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