b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-1033

Clostridium sp., Strain KLE 1755

Catalog No. HM-1033

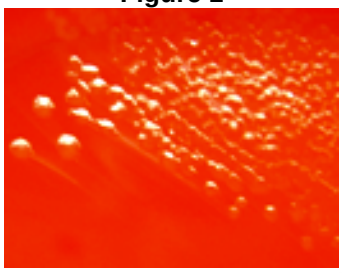
Product Description: *Clostridium* sp., strain KLE 1755 was isolated on May 21, 2012, from a human fecal sample from an anonymous healthy male donor in Boston, Massachusetts, USA.

Lot[1,2]: 62323786 **Manufacturing Date: 07FEB2014**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology[3]	Report results	Punctiform and smooth (Figure 1)
Motility (wet mount)	Report results	Motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 860 base pairs)	≥ 99% identical to GenBank: AWST01000112 (*Clostridium* sp., strain KLE 1755)	≥ 99% identical to GenBank: AWST01000112 (*Clostridium* sp., strain KLE 1755)
Viability (post-freeze)[3]	Growth	Growth

[1]Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.
[2]*Clostridium* sp., strain KLE 1755 was deposited by Kim Lewis, Professor, Department of Biology, Northeastern University, Boston, MA, USA. The deposited material was inoculated into Modified Reinforced Clostridial broth and incubated for 43 hours at 37°C in an anaerobic atmosphere (Remel™ Pack-Anaero™ R681001). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 47 hours at 37°C in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.
[3]51 hours at 37°C and anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

Figure 1



Date: 03 JUN 2014 **Signature:**

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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