b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-1190

Varibaculum cambriense, Strain AB12_3

Catalog No. HM-1190

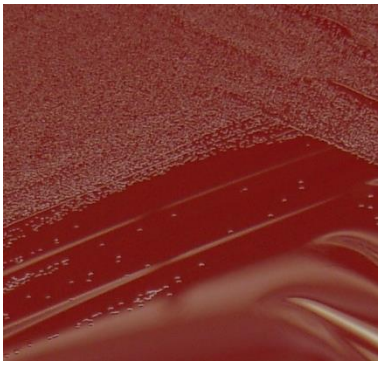
Product Description: *Varibaculum cambriense* (*V. cambriense*), strain AB12_3 was isolated from human stool in Guelph, Ontario, Canada. Note: The strain designation, strain AB12 #3, on the vial label for lot 63980301 is incorrect. The correct strain designation is AB12_3.

Lot[1,2]: 63980301 **Manufacturing Date: 18JAN2016**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rods	Gram-positive rods
Colony morphology[3]	Report results	Circular, low convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to depositor's sequence	100% sequence identity to depositor's sequence
Purity (post-freeze)		
Anaerobic atmosphere[4]	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Aerobic atmosphere[5]	No growth	No growth
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]*V. cambriense*, strain AB12_3 was deposited by Assistant Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. The deposited material was inoculated into Modified Reinforced Clostridial broth. Broth inoculum was added to Tryptic Soy agar and grown for 2 days at 37°C in an anaerobic atmosphere (< 5% O_2; Remel™ Pack-Anaero™). The growth material was passaged once on Tryptic Soy agar for 2 days at 37°C in an anaerobic atmosphere. Colonies were then suspended in Modified Reinforced Clostridial broth and used to inoculate Tryptic Soy agar kolles, which were grown for 3 days at 37°C in an anaerobic atmosphere produce this lot.
[3]2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood
[4]Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.
[5]Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



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Date: 18 MAY 2016 **Signature:**

BEI Resources Authentication

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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