

Certificate of Analysis for HM-777

Streptococcus* sp., Strain AS14*Catalog No. HM-777****Product Description:** *Streptococcus* sp., strain AS14 is a human oral isolate.**Lot^{1,2}: 63529418****Manufacturing Date: 30MAY2015**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive cocci Report results Report results	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 870 base pairs)	≥ 99% identical to GenBank: ALKI01000016 (<i>Streptococcus</i> sp., strain AS14)	≥ 99% identical to GenBank: ALKI01000016 (<i>Streptococcus</i> sp., strain AS14)
Purity (post-freeze)⁴	Growth consistent with <i>Streptococcus</i> sp.	Growth consistent with <i>Streptococcus</i> sp.
Viability (post-freeze)³	Growth	Growth

¹Quality 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*Streptococcus* sp., strain AS14 was deposited by Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts, USA. The deposited material was inoculated into Tryptic Soy broth and incubated for 2 days at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 2 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

³1 day on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂

⁴Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂.

Figure 1**Date:** 07 JUL 2015**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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