

***Streptococcus* sp., Strain AC15**

Catalog No. HM-883

Product Description: *Streptococcus* sp., strain AC15 is a human oral cavity isolate.

Lot^{1,2}: 63529426

Manufacturing Date: 29MAY2015

TEST	SPECIFICATIONS	RESULTS – Colony type 1	RESULTS – Colony type 2
Phenotypic Analysis Cellular morphology Colony morphology ^{3,4} Hemolysis ^{3,4} Motility (wet mount)	Gram-positive cocci Report results Repost results Report results	Gram-positive cocci Circular, convex, entire, smooth and gray (Figure 1) α-hemolytic Non-motile	Gram-positive cocci Circular, convex, entire, smooth and white (Figure 1) Non-hemolytic Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% identical to GenBank: JDFJ01000029.1 (<i>Streptococcus</i> sp., strain AC15)	100% identical to GenBank: JDFJ01000029.1 (<i>Streptococcus</i> sp., strain AC15)	
Purity (post-freeze)⁵	Consistent with <i>Streptococcus</i> sp.	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.

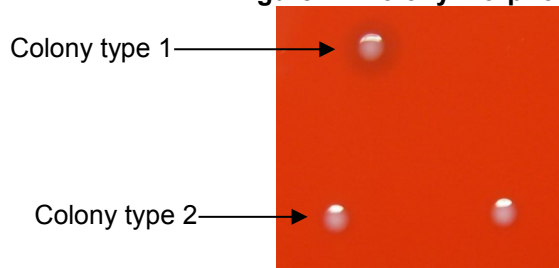
²*Streptococcus* sp., strain AC15 was deposited by Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts, USA. The deposited material was inoculated into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. The broth growth from the initial passage was held for 7 days under ambient conditions. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 1 day 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

⁴Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be identical to the other colony type and with *Streptococcus* sp., strain AC15 (GenBank: JDFJ01000029.1)

⁵Purity 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: Colony Morphology



Date: 02 SEP 2015

Signature:

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