b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-239

Gemella haemolysans, Strain M341

Catalog No. HM-239

Product Description: *Gemella haemolysans (G. haemolysans)*, strain M341 was isolated in 2007 from expectorated sputum from a 19-year-old male patient with cystic fibrosis.

Lot[1,2]: 70009964 **Manufacturing Date: 27OCT2017**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology[3]	Report results	Circular, convex, entire, smooth and white (Figure 1)
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 750 base pairs)	≥ 99% sequence identity to *G. haemolysans*, strain M341 (GenBank: ACRO01000050.1)	100% sequence identity to *G. haemolysans*, strain M341 (GenBank: ACRO01000050.1)[4]
Purity (post-freeze)[5]	Consistent with expected colony morphology	Consistent with expected colony morphology[6]
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]*G. haemolysans*, strain M341 was deposited by Professor Michael G. Surette, Department of Microbiology and Infectious Diseases, University of Calgary, Alberta, Canada. HM-239 lot 70009964 was produced by inoculation of BEI Resources HMS-239 lot 60058722 into Brain Heart Infusion broth which was used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood plate and both were grown at 37°C in an aerobic atmosphere with 5% CO_2 for 2 days. Colonies from the plate were scraped into the Brain Heart Infusion broth growth and the growth mixture was added to a Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown for 2 days at 37°C in an aerobic atmosphere with 5% CO_2 to produce this lot.

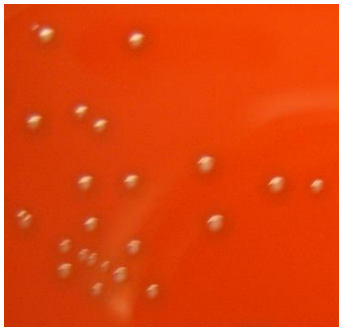
[3]2 days at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood

[4]Also consistent with other *Gemella* species

[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.

[6]Two colony types were observed after 7 days of incubation under propagation conditions. Plating of the individual colony types showed that they reverted to one colony type after one day under propagation conditions. The 16S ribosomal RNA gene of each colony type was sequenced and found to be 100% identical with the other colony type and consistent with *G. haemolysans,* strain M341 (GenBank: ACRO010000050.1).

Figure 1: Colony Morphology



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