

**Bacteriophage GRCS, Infectious for *Staphylococcus aureus***

**Catalog No. HM-698**

**Product Description:** Bacteriophage GRCS was isolated in India from raw sewage taken from a municipal sewage treatment system. Bacteriophage GRCS (HMP ID 9755) is a reference genome for The Human Microbiome Project (HMP).

**Lot<sup>1,2</sup>: 62138703**

**Manufacturing Date: 13DEC2013**

TEST	SPECIFICATIONS	RESULTS
<b>Plaque Morphology</b>	Report results	Circular and clear
<b>Titer<sup>3</sup></b> Plaque-forming units (pfu) with <i>Staphylococcus aureus</i>	> 10 <sup>6</sup> pfu per mL	4 x 10 <sup>8</sup> pfu per mL
<b>Sterility</b>	0.22 µm filtered	0.22 µm filtered
<b>Bacterial Inactivation</b> 10% of total yield plated on Tryptic Soy agar with 5% defibrinated sheep blood <sup>4</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the product distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited material.

<sup>2</sup>The deposited material was added to a Luria-Burtani (LB) soft agar overlay (0.5%) supplemented with 10 mM MgSO<sub>4</sub> containing the phage host, *Staphylococcus aureus*, strain HFH-29994 (ATCC<sup>®</sup> BAA-1681™). The soft agar overlay was added to an LB agar kolle supplemented with 10 mM MgSO<sub>4</sub> and incubated 17 hours at 30°C in an aerobic atmosphere. Two additional passages occurred under the above conditions. Bacteriophage were harvested with Luria-Burtani (LB) broth supplemented with 10 mM MgSO<sub>4</sub> broth after each passage, filtered and pooled to produce this lot.

<sup>3</sup>Lysis was observed on the soft agar overlay after 24 hours at 37°C in an aerobic atmosphere.

<sup>4</sup>7 days at 37°C in an aerobic atmosphere

**Date:** 10 JUN 2014

**Signature:**



**Title:**

Technical Manager, BEI Authentication or designee

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