

**Bacteriophage Phi\_3244S/Sa1263, Infectious for *Staphylococcus aureus***

**Catalog No. HM-693**

**Product Description:** Bacteriophage Phi\_3244S/Sa1263 was isolated from Sa06\_3244 bacterium derived from a blood culture. Bacteriophage phi\_3244S/Sa1263 is a reference genome for the Human Microbiome Project (HMP).

**Lot<sup>1,2</sup>: 70017441**

**Manufacturing Date: 10AUG2018**

TEST	SPECIFICATIONS	RESULTS
<b>Plaque Morphology<sup>3</sup></b>	Report results	Circular and clear
<b>Titer (Post-vial)</b> Plaque-forming units (pfu) with <i>Staphylococcus aureus</i> <sup>4</sup>	>10 <sup>6</sup> pfu per mL	7.0 x 10 <sup>7</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 Brain Heart Infusion agar <sup>5</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>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.

<sup>2</sup>HM-693 lot 70017441 was produced by inoculation of BEI Resources HM-693 lot 59883078 into a LB soft agar overlay (0.7%) supplemented with 10 mM MgSO<sub>4</sub> containing the phage host, *Staphylococcus aureus*, strain Sa1263. The soft agar overlay was added to a LB agar kolle supplemented with 10 mM MgSO<sub>4</sub> and incubated 1 day at 30°C in an aerobic atmosphere. After three additional passages, the phage was harvested to produce this lot and is provided in LB broth supplemented with 10 mM MgSO<sub>4</sub> and 10% glycerol. The harvested material was stored at 4°C in an aerobic atmosphere for 27 days prior to cryopreservation.

<sup>3</sup>Lysis was observed after 1 day at 30°C in an aerobic atmosphere on a LB soft agar overlay supplemented with 10 mM MgSO<sub>4</sub> containing the phage host.

<sup>4</sup>100 µL of a 1:10<sup>5</sup> dilution in a LB soft agar overlay supplemented with 10 mM MgSO<sub>4</sub> containing the phage host

<sup>5</sup>14 days at 37°C in an aerobic atmosphere

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