

**Bacteriophage JBD90, Infectious for *Pseudomonas aeruginosa***

**Catalog No. HM-605**

**Product Description:** Bacteriophage JBD90 was isolated from a diverse panel of clinical and environmental isolates of *Pseudomonas aeruginosa* by inducing resident prophages. Bacteriophage JBD90 (HMP ID 9908) is a reference genome for the Human Microbiome Project (HMP).

**Lot<sup>1,2</sup>: 70016912**

**Manufacturing Date: 06JUL2018**

TEST	SPECIFICATIONS	RESULTS
<b>Plaque Morphology<sup>3</sup></b>	Report results	Large with clear edges
<b>Titer (Post-vial)</b> Plaque-forming units (pfu) with <i>Pseudomonas aeruginosa</i> <sup>4</sup>	>10 <sup>6</sup> pfu per mL	9.4 x 10 <sup>9</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 <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-605 lot 70016912 was produced by inoculation of BEI Resources HMS-605 lot 59941710 into a LB soft agar overlay (0.7%) supplemented with 10 mM MgSO<sub>4</sub> containing the phage host, *Pseudomonas aeruginosa*, strain PA01. 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 two 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 34 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>7</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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21 FEB 2019

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