

Bacteriophage JBD18, Infectious for *Pseudomonas aeruginosa*

Catalog No. HM-601

Product Description: Bacteriophage JBD18 was isolated from a diverse panel of clinical and environmental isolates of *Pseudomonas aeruginosa* by inducing resident prophages. Bacteriophage JBD18 (HMP ID 9843) is a reference genome for the Human Microbiome Project (HMP).

Lot^{1,2}: 70016911

Manufacturing Date: 27SEP2018

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology³	Report results	Small with hazy edges
Titer (Post-vial) Plaque-forming units (pfu) with <i>Pseudomonas aeruginosa</i> ⁴	>10 ⁶ pfu per mL	4.7 x 10 ⁷ pfu per mL
Sterility	0.22 µm filtered	0.22 µm filtered
Bacterial Inactivation 10% of total yield plated on Tryptic Soy agar ⁵	No viable bacteria detected	No viable bacteria detected

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.

²HM-601 lot 70016911 was produced by inoculation of BEI Resources HM-601 lot 59849548 into a LB soft agar overlay (0.7%) supplemented with 10 mM MgSO₄ containing the phage host, *Pseudomonas aeruginosa*, strain EnvKY1. The soft agar overlay was added to a LB agar kolle supplemented with 10 mM MgSO₄ and incubated 1 day at 30°C in an aerobic atmosphere. After three additional passages, the phage was harvested to produce this lot. The harvested material was stored at 4°C in an aerobic atmosphere for 26 days prior to cryopreservation.

³Lysis was observed after 1 day at 30°C in an aerobic atmosphere on a LB soft agar overlay supplemented with 10 mM MgSO₄ containing the phage host.

⁴100 µL of a 1:10⁵ dilution in a LB soft agar overlay supplemented with 10 mM MgSO₄ containing the phage host

⁵14 days at 37°C in an aerobic atmosphere

/Heather Couch/

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