

Bacteriophage PBP1, Infectious for *Bacillus pumilus*

Catalog No. HM-615

Product Description: Bacteriophage PBP1 (HMP ID 9758) is a reference genome for the Human Microbiome Project (HMP).

Lot^{1,2}: 70016913

Manufacturing Date: 18JUL2018

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology ³	Report results	Circular, small, hazy
Titer (Post-vial) Plaque-forming units (pfu) with <i>Bacillus pumilus</i> ⁴	>10 ⁶ pfu per mL	5.1 x 10 ⁸ 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-615 lot 70016913 was produced by inoculation of BEI Resources HMS-615 lot 60334570 into a LB soft agar overlay (0.7%) supplemented with 10 mM MgSO₄ containing the phage host, *B. pumilus*, strain 706S. 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 two additional passages, the phage was harvested to produce this lot and is provided in LB broth supplemented with 10 mM MgSO₄ and 10% glycerol. The harvested material was stored at 4°C in an aerobic atmosphere for 22 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 1:10⁶ 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

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