

Bacteriophage PMB12, Infectious for *Bacillus subtilis*

Catalog No. HM-616

Product Description: Bacteriophage PMB12 was isolated from soil. Bacteriophage PMB12 (HMP ID 9756) is a reference genome for The Human Microbiome Project (HMP).

Lot^{1,2}: 70002697

Manufacturing Date: 17FEB2017

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology ³	Report results	Pinpoint
Titer (Post-vial) Plaque-forming units (pfu) with <i>Bacillus subtilis</i> ⁴	>10 ⁶ pfu per mL	4.0 x 10 ¹² 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.

²The deposited material was added to a LB soft agar overlay (0.7%) supplemented with 10 mM MgSO₄ containing the phage host, *Bacillus subtilis*, strain 1S28. 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.

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 1:10⁹ dilution in a LB soft agar overlay supplemented with 10 mM MgSO₄ containing the phage host

⁵7 days at 37°C in an aerobic atmosphere

Date: 10 JUL 2017

Signature: 

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