

Bacteriophage Phi_1387B/Ec1457, Infectious for *Escherichia coli*

Catalog No. HM-675

Product Description:

Bacteriophage Phi_1387B/Ec1457 was isolated from blood taken from a patient with septicemia. Bacteriophage Phi_1387B/Ec1457 (HMP ID 9785) is a reference genome for the Human Microbiome Project (HMP).

HM-675 was produced by inoculation of BEI Resources seed lot 60185079 into a Luria-Burtani (LB) soft agar overlay (0.7%) supplemented with 10 mM MgSO₄ containing the phage host, *Escherichia coli*, strain Ec1457. The soft agar overlay was added to an LB agar kolle supplemented with 10 mM MgSO₄ and incubated for 1 day at 30°C in an aerobic atmosphere. After two additional passages, the phage was harvested to produce this lot. The harvested material was stored at 4°C in an aerobic atmosphere for 25 days prior to cryopreservation.

Note: 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.

Lot: 70077075

Manufacturing Date: 07OCT2025

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology ¹	Report results	Small, hazy and circular
Titer Plaque-forming units (pfu) with <i>E. Coli</i> ²	> 10 ⁵ pfu/mL	1.1 × 10 ⁹ pfu/mL
Sterility	0.22 µm filtered	0.22 µm filtered
Bacterial Inactivation 10% of total yield plated on Tryptic Soy agar ³	No viable bacteria detected	No viable bacteria detected

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

²100 µL of a 1:10⁶ dilution in an LB soft agar overlay supplemented with 10 mM MgSO₄ containing the phage host

³14 days at 37°C in an aerobic atmosphere

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