

**Bacteriophage Phi05\_1999B/Ec2424, Infectious for *Escherichia coli***

**Catalog No. HM-677**

**Product Description:** Bacteriophage phi05\_1999B/Ec2424 was isolated from a blood sample taken from a patient with septicemia. Bacteriophage phi05\_1999B/Ec2424 (HMP ID 9787) is a reference genome for The Human Microbiome Project (HMP).

**Lot<sup>1,2</sup>: 70017442**

**Manufacturing Date: 07SEP2018**

TEST	SPECIFICATIONS	RESULTS
<b>Plaque Morphology<sup>3</sup></b>	Report results	Circular and clear
<b>Titer (Post-vial)</b> Plaque-forming units (pfu) with <i>Escherichia coli</i> <sup>4</sup>	>10 <sup>6</sup> pfu per mL	3.4 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-677 lot 70017442 was produced by inoculation of BEI Resources HMS-677 lot 60185077 into a LB soft agar overlay (0.7%) supplemented with 10 mM MgSO<sub>4</sub> containing the phage host, *Escherichia coli*, strain Ec2424. 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 Luria-Burtani (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 33 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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Program Manager or designee, ATCC Federal Solutions

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