

Bacteriophage Phi_TK1727sp/MX0560, Infectious for *Pseudomonas aeruginosa*

Catalog No. HM-649

Product Description: Bacteriophage phi_TK1727sp/MX0560 was isolated from TK1727 bacterium cultured from leg, foot or decubitus ulcers from a human patient. Bacteriophage phi_TK1727sp/MX0560 is a reference genome for The Human Microbiome Project (HMP).

Lot^{1,2}: 70014606

Manufacturing Date: 22MAY2018

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology³	Report results	Pinpoint
Titer (Post-vial) Plaque-forming units (pfu) with <i>Pseudomonas aeruginosa</i>	>10 ⁶ pfu per mL	3.2 x 10 ¹⁰ pfu per mL
Sterility	0.22 µm filtered	0.22 µm filtered
Bacterial Inactivation 10% of total yield plated on Tryptic Soy agar ⁴	No viable bacteria detected	No viable bacteria detected

¹Quality control of HMP material is only performed to demonstrate that the product distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited material.

²HM-649 lot 70014606 was produced by inoculation of HMS-649 lot 59976166 into a Luria-Burtani (LB) soft agar overlay (0.7%) supplemented with 10 mM magnesium sulfate containing the phage host, *Pseudomonas aeruginosa*, strain MX0560. The soft agar overlay was added to LB agar supplemented with 10 mM magnesium sulfate kolles and incubated for 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 20 days prior to cryopreservation.

³Lysis was observed on the soft agar overlay after 1 day at 30°C in an aerobic atmosphere

⁴14 days at 37°C in an aerobic atmosphere

/Heather Couch/

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30 AUG 2018

Program Manager or designee, ATCC Federal Solutions

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