

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}: 59976165

Manufacturing Date: 16JUN2011

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology³	Report results	Circular and clear
Titer (Post-vial) Plaque-forming units (pfu) with <i>Pseudomonas aeruginosa</i>	>10 ⁶ pfu per mL	2 x 10 ⁷ pfu per mL
Sterility	0.22 µm filtered	0.22 µm filtered
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% defibrinated sheep blood 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.

²The deposited material was added to a Luria-Burtani (LB) soft agar overlay (0.5%) supplemented with 10 mM MgSO₄ containing the phage host, *Pseudomonas aeruginosa*, strain MX0560. The soft agar overlay was added to an LB Agar Kolle supplemented with 10 mM MgSO₄ and incubated 24 hours at 30°C in an aerobic atmosphere. After four additional passages under the above conditions, the bacteriophage were harvested to produce this lot.

³Lysis was observed on the soft agar overlay after 24 hours at 30°C in an aerobic atmosphere

⁴7 days at 37°C in an aerobic atmosphere

Date: 06 FEB 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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