b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-685

Bacteriophage Phi05_1973S/Pa1651, Infectious for *Pseudomonas aeruginosa*

Catalog No. HM-685

Product Description: Bacteriophage phi05_1973S/Pa1651 was derived from a blood sample taken from a patient with septicemia. Bacteriophage phi05_1973S/Pa1651 (HMP ID 9796) is a reference genome for The Human Microbiome Project (HMP).

Lot[1,2]: 60277712 **Manufacturing Date: 09SEP2011**

TEST	SPECIFICATIONS	RESULTS
Plaque Morphology[3]	Report results	Circular
Titer[3] Plaque-forming units (pfu) with *Pseudomonas aeruginosa*	$>10^6$ pfu per mL	2×10^9 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

[1]Quality 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.
[2]The deposited material was added to a Luria-Burtani (LB) soft agar overlay (0.5%) supplemented with 10 mM $MgSO_4$ containing the phage host, *Pseudomonas aeruginosa*, strain Pa1651. The soft agar overlay was added to an LB agar Kolle supplemented with 10 mM $MgSO_4$ and incubated 24 hours at 30°C in an aerobic atmosphere. After two additional passages under the above conditions, the bacteriophage were harvested to produce this lot.
[3]Lysis was observed on the soft agar overlay after 24 hours at 30°C in an aerobic atmosphere.
[4]7 days at 37°C in an aerobic atmosphere

Date: 09 APR 2013 **Signature:** 

Title: Technical Manager, BEI Authentication or designee

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