b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-600

Bacteriophage JBD23, Infectious for *Pseudomonas aeruginosa*

Catalog No. HM-600

Product Description: Bacteriophage JBD23 is a reference genome for The Human Microbiome Project (HMP).

Lot[1,2]: 59810281 **Manufacturing Date: 18MAR2011**

TEST	SPECIFICATIONS	RESULTS
Titer Plaque-forming units (pfu) with *P. aeruginosa*	>10^5 pfu per mL	1.7 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 with 5% defibrinated sheep blood[3]	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 PA14. The soft agar overlay was added to LB Agar Kolles supplemented with 10 mM $MgSO_4$ and incubated 24 hours at 30°C in an aerobic atmosphere. After two passages the bacteriophage were harvested to produce this lot.
[3]7 days at 37°C in an aerobic atmosphere

Date: 08 FEB 2013 **Signature:**

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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