b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-104D

Genomic DNA from *Lactobacillus gasseri,* Strain JV-V03

Catalog No. HM-104D

Product Description: Genomic DNA was obtained from a preparation of *Lactobacillus gasseri* (*L. gasseri*), strain JV-V03.

Lot[1]: 58730625 **Manufacturing Date: 22SEP2009**

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1450 bp)	Consistent with *L. gasseri*	Consistent with *L. gasseri*[2]
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.7 to 1.25 µg in 25 to 100 µL per vial	0.9 µg in 28 µL per vial (33 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD_{260}/OD_{280} Ratio	1.7 to 1.9	1.8
Bacterial Inactivation 10% of total yield plated on Lactobacilli MRS Agar[3,4]	No viable bacteria detected	No viable bacteria detected

[1]The bacterial preparation used for extraction of genomic DNA was produced by Lactobacilli MRS Broth culture of the deposited material. After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.
[2]Also consistent with other *Lactobacillus* species
[3]7 days at 37°C in an aerobic atmosphere
[4]An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.

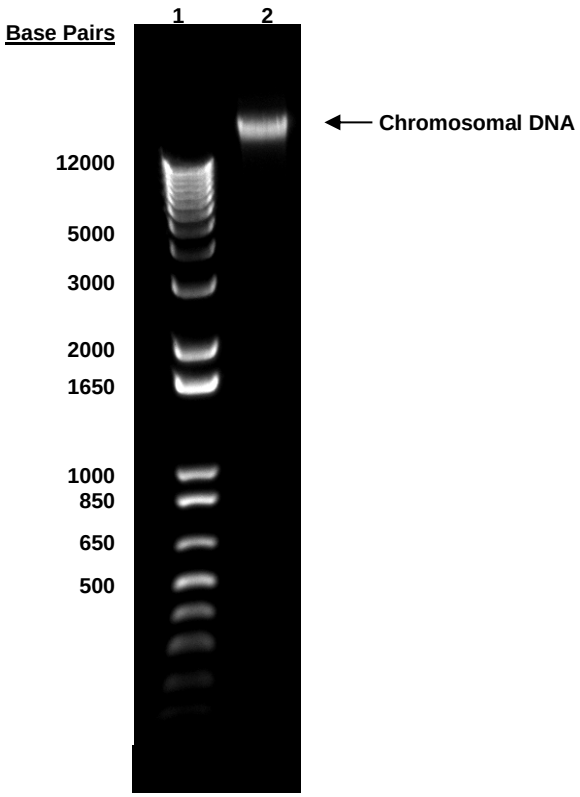
Date: 22 MAR 2010 **Signature:** Signature on File

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 by ATCC® 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.

ATCC® is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.

Figure 1



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of HM-104D