b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-463D

Genomic DNA from *Enterococcus faecium*, Strain TX0133a04

Catalog No. HM-463D

Product Description: Genomic DNA was obtained from a preparation of *Enterococcus faecium* (*E. faecium*), strain TX0133a04.

Lot[1,2]: 60609326 **Manufacturing Date: 24FEB2012**

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 900 base pairs)	≥ 99% identical to GenBank: AEBC01000058 (*E. faecium*, strain TX0133a04)	≥ 99% identical to GenBank: AEBC01000058 (*E. faecium*, strain TX0133a04)
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	1.0 µg in 27 µL per vial (36 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 2.0	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% defibrinated sheep blood[3,4]	No viable bacteria detected	No viable bacteria detected

[1]Quality control of HMP organisms used for DNA extraction is only performed to demonstrate that the material produced by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.
[2]The bacterial preparation used for extraction of genomic DNA was produced by culture of the deposited material. Genomic DNA was extracted using proprietary technology.
[3]7 days at 37°C in an aerobic atmosphere with 5% CO_2
[4]An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Date: 11 OCT 2012 **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 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.

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Support Provided by NIAID

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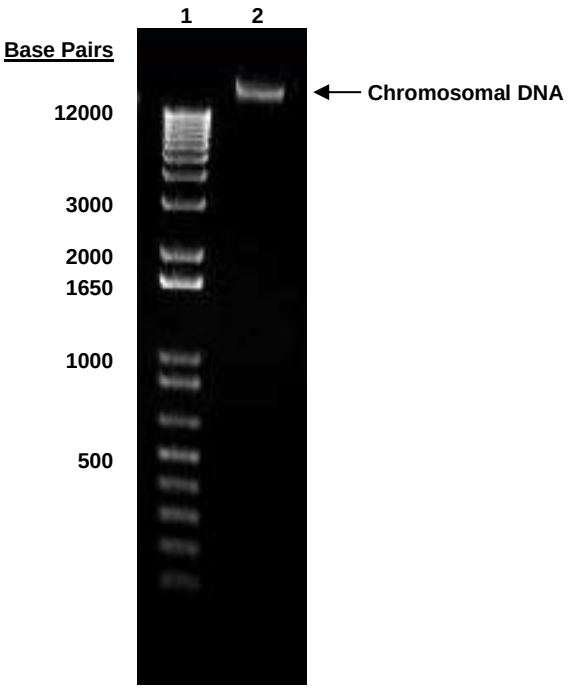
Figure 1



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of HM-463D

BEI Resources
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