

Certificate of Analysis for HM-118D

Genomic DNA from Staphylococcus epidermidis, Strain SK135

Catalog No. HM-118D

Product Description: Genomic DNA was obtained from a preparation of *Staphylococcus* epidermidis (*S. epidermidis*), strain SK135.

Lot¹: 59192342 Manufacturing Date: 06JUL2010

| TEST | SPECIFICATIONS | RESULTS |
|--|--|--|
| Sequencing of 16S Ribosomal RNA Gene (~ 1440 base pairs) | Consistent with S. epidermidis | Consistent with S. epidermidis |
| 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 31 μL per vial (32 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 5% of total yield plated on BHI Agar ^{2,3} | No viable bacteria detected | No viable bacteria detected |

The bacterial preparation used for extraction of genomic DNA was produced by Brain Heart Infusion (BHI) Broth culture of the deposited material. After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

Date: 30 SEP 2010 **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.

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.

Biodefense and Emerging Infections Research Resources Repository

www.beiresources.org

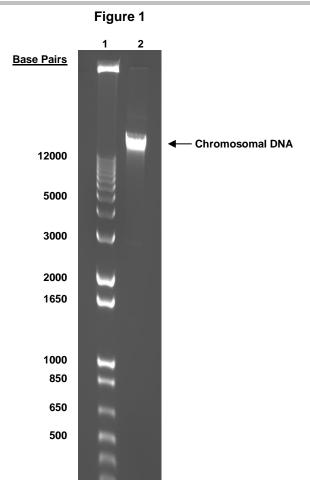
Tel: 800-359-7370

HM-118D_59192342_30SEP2010

²7 days at 37°C in an aerobic atmosphere

³An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Certificate of Analysis for HM-118D



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™

Lane 2: 200 ng of HM-118D

HM-118D_59192342_30SEP2010