

## **Certificate of Analysis for NR-30538**

## Neisseria meningitidis, Strain 92045

## Catalog No. NR-30538

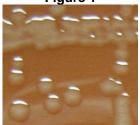
**Product Description:** Neisseria meningitidis (N. meningitidis), strain 92045 was isolated from human blood in France, 1992. N. meningitidis, strain 92045 was deposited as a member of serogroup 29E.

Lot<sup>1</sup>: 61506864 Manufacturing Date: 07FEB2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology	Report results	Gram-negative cocci
Colony morphology <sup>2</sup>	Report results	Circular, convex, entire and smooth (Figure 1)
Biochemical tests: Remel RapID <sup>™</sup> NH System	Consistent with <i>N. meningitidis</i>	Consistent with N. meningitidis
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	Consistent with N. meningitidis	Consistent with <i>N. meningitidis</i> <sup>3</sup>
Viability (post-freeze) <sup>2</sup>	Growth	Growth

<sup>&</sup>lt;sup>1</sup>N. meningitidis, strain 92045 was deposited by Lee H. Harrison, M.D., Professor, Departments of Medicine and Infectious Diseases, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA. The deposited material was inoculated into *Haemophilus* Test media and incubated for 24 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth was then added to kolles and incubated for 24 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot.

Figure 1



**Date:** 12 JUN 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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<sup>&</sup>lt;sup>2</sup>24 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Chocolate agar

<sup>&</sup>lt;sup>3</sup>≥ 99% identical to *N. meningitidis*, strain 92045 (GenBank: ALXW01000006)