Certificate of Analysis for NR-608

Bacillus cereus, Strain FDA 5

Catalog No. NR-608
(Derived from ATCC® 10702™)

Product Description: *Bacillus cereus* (*B. cereus*) is a Gram-positive, spore-forming, facultative aerobe. This organism is a ubiquitous opportunistic pathogen that can cause food poisoning in infected individuals.

Lot[1]: 3931466 **Manufacturing Date: 17NOV2004**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive	Gram-positive
Colony morphology[2]	Report results	Irregular, flat, undulate and opaque Circular, smooth and smaller
Sporulation	Positive	Positive
Anaerobic growth	Positive	Positive
Motility	Motile	Motile
β-hemolysis	Report results	Non-hemolytic
Analytical profile index (API® 50 CHB)	Consistent with *Bacillus*	Consistent with *Bacillus*[3]
Biochemical tests:		
Trehalose metabolism	Positive	Positive
Salicin metabolism	Report results	Negative
Glycerol metabolism	Report results	Negative
Glycogen metabolism	Report results	Negative
Nitrate reduction	Report results	Positive
Arginine dihydrolase activity	Report results	Negative
FAME analysis	Consistent with *B. cereus*	Consistent with *B. cereus*
Genotypic Analysis[4]		
Sequencing of 16S rRNA gene (~ 1240 base pairs)	Consistent with *B. cereus*	Consistent with *B. cereus*[5]
Viability (post-vialing)[6]	Growth	Growth

[1]NR-608 was produced by propagation of ATCC® 10702™ (Lot: 3483661) in Tryptic Soy Broth for 24 hours at 30°C in an aerobic environment.
[2]24 hours at 30°C on Tryptic Soy Agar
[3]API® 50 CHB did not discriminate to species.
[4]Sequence analysis results were obtained from genomic DNA (BEI Resources NR-4195) prepared from BEI Resources NR-608 (Lot: 3931466).
[5]Also consistent with *Bacillus cereus* group (*B. cereus, B. thuringiensis, B. mycoides*, and *B. anthracis*) which cannot be classified based on 16S sequence (Spencer, R. C. "*Bacillus anthracis*." J. Clin. Pathol. 56 (2003): 182-187. PubMed: 12610093).
[6]24 hours at 30°C in Tryptic Soy Broth

Date: 08 OCT 2008 **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 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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P.O. Box 4137
Manassas, VA 20108-4137 USA
www.beiresources.org
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