

***Clostridium botulinum*, Strain 2217 (Type B, Non-Proteolytic)**

Catalog No. NR-240

(Derived from ATCC® 17844™)

Product Description: *Clostridium botulinum* (*C. botulinum*), strain 2217 [neurotoxin type B (non-proteolytic)] was deposited to the ATCC® by Leland S. McClung.

Lot¹: 61176378

Manufacturing Date: 17OCT2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Biochemical tests RapID™ ANA II	Gram-positive rod Report results <i>C. botulinum</i> (>95%)	Gram-positive rod Irregular, flat, entire, opaque and gray <i>C. botulinum</i> , Group II (99.9%) ³
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1190 base pairs)	> 99% identical to <i>C. botulinum</i> , type B (non-proteolytic) (GenBank: FR745875.1)	100% identical to <i>C. botulinum</i> , type B (non-proteolytic) (GenBank: FR745875.1)
Confirmation of Neurotoxin Type by PCR Amplification of Extracted DNA Positive control (16S ribosomal RNA gene) Negative control (<i>Clostridium difficile</i>) NR-240 (neurotoxin type B) Neurotoxin types A,C, D, E, F, G	Amplicon present No amplicon present Amplicon present No amplicons present	Amplicon present No amplicon present Amplicon present No amplicons present
Purity (post-freeze) Anaerobic atmosphere ⁴ Aerobic atmosphere ⁵	Growth consistent with expected colony morphology No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze)²	Growth	Growth

¹NR-240 was produced by inoculation of ATCC® 17844™ (Lot 27630) into Reinforced Clostridial broth and grown 2 days at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 2 days at 37°C in an anaerobic atmosphere to produce this lot.

²3 days at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂) on Tryptic Soy agar with 5% defibrinated sheep blood.

³*C. botulinum* Group II consists of toxin type E and non-proteolytic strains of toxin type B and F that are often isolated from soil, food, fish, and birds, but rarely encountered in clinical specimens. Toxin neutralization testing is recommended for confirmation.

⁴Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere (90%N₂:5%CO₂:5%H₂).

⁵Purity of this lot was assessed for 4 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere.

Date: 18 APR 2017

Signature



Title: Senior Director, Compliance & QA/Chief Compliance Officer

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