

Certificate of Analysis for NR-256

Brucella melitensis, Strain 16M (NCTC 10094)

Catalog No. NR-256

(Derived from ATCC® 23456™)

Product Description: *Brucella melitensis* (*B. melitensis*) is a non-motile, aerobic, gram-negative coccobacillus which displays the highest degree of human virulence among *Brucella* species.

Lot¹: 4741448

Manufacturing Date: 10OCT2005

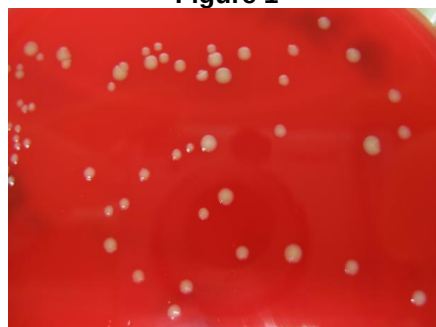
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony color and morphology ² Hemolysis Motility Biochemical tests Catalase Oxidase Urease Indole Hydrogen sulfide production Nitrate Arginine dihydrolase Arabinose Glucose Xylose Biolog™ (GN2 Microplate™)	Gram-negative coccobacillus Report results Non-hemolytic Non-motile Identical to ATCC® 23456™ Positive Positive Positive (> 5 minutes) Report results Report results Report results Report results Report results Report results Consistent with <i>B. melitensis</i>	Gram-negative coccobacillus See Figure 1 Non-hemolytic Non-motile Identical to ATCC® 23456™ Positive Positive Positive (> 5 minutes) Negative Positive Positive Negative Negative Negative Positive Consistent with <i>B. melitensis</i> (90% probability, 0.82 similarity index)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 bp)	Identical to ATCC® 23456™ Consistent with <i>B. melitensis</i>	Identical to ATCC® 23456™ Consistent with <i>B. melitensis</i> ³
Concentration of Viable Organisms (post-freeze)²	Report results	1.1 X 10 ¹⁰ CFU/mL

¹NR-256 was produced by inoculation of ATCC® 23456™ into Tryptic Soy Broth (VWR 90000-378).

²48 hours at 30°C and aerobic atmosphere on Trypticase Soy Agar, with 5% Sheep Blood (VWR 90001-282).

³Also consistent with other *Brucella* species.

Figure 1



Certificate of Analysis for NR-256

Date: 01 JUN 2006

Signature: Signature on file

Title: Technical Manager, BEI Authentication

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