

Certificate of Analysis for NR-229

Brucella abortus, Strain 12

Catalog No. NR-229

(Derived from ATCC® 17385™)

Product Description: *B. abortus* is a non-motile, aerobic, gram-negative coccobacillus which displays a moderate degree of human virulence.

Lot¹: 4741450

Manufacturing Date: 12OCT2005

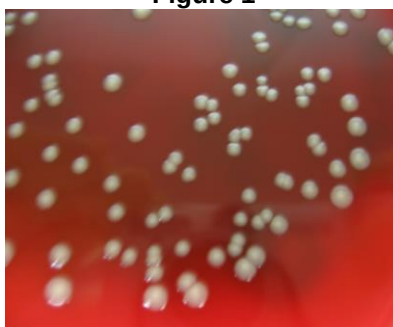
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony color and morphology ² Hemolysis Motility Biochemical tests Catalase Oxidase Urease Indole Hydrogen sulfide production Nitrate Arginine dihydrolase Arabinose Glucose Xylose Biolog™ (GN2 Microplate™)	Gram-negative coccobacillus Report results Non-hemolytic Non-motile Identical to ATCC® 17385™ Positive Positive Positive (> 5 minutes) Report results Report results Report results Report results Report results Report results Consistent with <i>B. abortus</i>	Gram-negative coccobacillus See Figure 1 Non-hemolytic Non-motile Identical to ATCC® 17385™ Positive Positive Positive (> 5 minutes) Negative Positive Positive Negative Positive Negative Negative Consistent with <i>B. abortus</i> (96% probability, 0.53 similarity index)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 bp)	Consistent with <i>B. abortus</i>	Consistent with <i>B. abortus</i> ³
Concentration of Viable Organisms (post-freeze)²	Report results	1.5 X 10 ¹⁰ CFU/mL

¹NR-229 was produced by inoculation of ATCC® 17385™ 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-229

Date: 31 MAY 2006

Signature: Signature on file

Title: Technical Manager, BEI Authentication

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