

***Brucella ovis*, Strain 63/290**

**Catalog No. NR-682**

(Derived from ATCC® 25840™)

**Product Description:** *Brucella ovis* (*B. ovis*) are non-motile, aerobic, Gram-negative coccobacilli which primarily infect sheep. *B. ovis* cells produce a lipopolysaccharide that lacks O-antigen side chains and results in a rough colony phenotype which differentiates it, and *B. canis*, from other species of *Brucella*.

**Lot<sup>1</sup>: 4034904**

**Manufacturing Date: 21JAN2005**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup> Hemolysis Motility X- and V-factor requirements CO <sub>2</sub> requirement Biochemical tests Nitrate reduction <sup>3</sup> Oxidase Catalase Urease Indole Hydrogen sulfide production Arginine dihydrolase Arabinose Glucose Xylose	Gram-negative Report results Non-hemolytic Non-motile Negative Positive  Negative Negative Positive Negative Negative Report results Report results Report results Report results Report results	Gram-negative Circular, erose, and opaque Non-hemolytic Non-motile Negative Positive  Negative Negative Positive Negative Negative Negative Negative Negative Negative Negative Negative
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 810 bp)	Consistent with <i>B. ovis</i>	Consistent with <i>B. ovis</i> <sup>4</sup>
<b>Viability (post-freeze)<sup>5</sup></b>	Growth on agar	Growth on agar

<sup>1</sup>NR-682 was produced by propagation of ATCC® 25840™ in Brain Heart Infusion Broth (BD 237500) in an aerobic atmosphere for 48 hours at 30°C.  
<sup>2</sup>48 hours at 30°C and aerobic atmosphere on Tryptic Soy Agar (BD 236950) plus 5% defibrinated sheep blood  
<sup>3</sup>*Brucella ovis* is the only *Brucella* species that is unable to reduce nitrate.  
<sup>4</sup>Also consistent with other *Brucella* species  
<sup>5</sup>48 hours at 30°C and aerobic atmosphere in Brain Heart Infusion broth

**Date:** 09 MAR 2009

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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