

**Plasmid pMRLB.59 Containing Gene Rv3914 (Protein TrxC) from *Mycobacterium tuberculosis* for Expression in *Mycobacterium smegmatis***

**Catalog No. NR-13309**

This reagent is the tangible property of the U.S. Government.

**Product Description:** NR-13309 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv3914, which encodes the protein thioredoxin, TrxC. Gene Rv3914 was amplified by PCR and cloned into pVV16 for expression in *Mycobacterium smegmatis*.

**Lot: 07.EC.05.23**

**Manufacturing Date: 23MAY2007**

TEST	SPECIFICATIONS	RESULTS
<b>Agarose Gel Electrophoresis (see attached QC Gel)<sup>1</sup></b> Linearization with <i>NdeI</i> Linearization with <i>HindIII</i> Digestion with <i>NdeI</i> and <i>HindIII</i>	~ 6.169 kb ~ 6.169 kb ~ 0.347 kb (insert); ~ 5.82 kb (vector)	~ 6.169 kb ~ 6.169 kb ~ 0.347 kb; ~ 5.82 kb
<b>Concentration by OD<sub>260</sub></b>	Report results	0.08 µg/µL
<b>Absorbance Ratio (OD<sub>260</sub>/OD<sub>280</sub>)</b>	Report results	1.9

<sup>1</sup>Performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

**Date:** 31 AUGUST 2009

**Signature:** Signature on File

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

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