

## Certificate of Analysis for NR-48825

## Genomic DNA from Rickettsia rickettsii, Strain Smith

## Catalog No. NR-48825

**Product Description:** Genomic DNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells<sup>1</sup> infected with *Rickettsia rickettsii* (*R. rickettsii*), strain Smith.

Lot<sup>2</sup>: 62811788 Manufacturing Date: 18DEC2014

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (1022 nucleotides)	Consistent with <i>R. rickettsii</i> , strain Smith  Consistent with NR-333	100% identity with <i>R. rickettsii</i> , strain Smith (GenBank: CP000848) Consistent with NR-333
Functional Activity by RT-PCR Amplification <sup>3</sup>	~ 1150 bp amplicon	~ 1150 bp amplicon (Figure 1)
Total DNA Content by PicoGreen® Measurement (Bacterial and Cellular)	Report results	15 ng per 100 μL
Bacterial Inactivation 10% of total yield inoculated on CCL-81 cells <sup>1</sup> and evaluated by CPE <sup>4,5</sup>	No viable bacteria detected	No viable bacteria detected

¹Vero cells: ATCC® CCL-81™

Date: 13 DEC 2016 Signature: //

**BEI Resources Authentication** 

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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<sup>&</sup>lt;sup>2</sup>Nucleic acid was extracted from a preparation of *R. rickettsii*, strain Smith (BEI Resources NR-333, Lot 58362753), using a QIAamp® Viral RNA Mini Kit (Qiagen 52906).

<sup>&</sup>lt;sup>3</sup>Amplified using iTaq<sup>™</sup> DNA Polymerase (Bio-Rad 170-8870) with 5 μL of NR-48825 in a 50 μL reaction

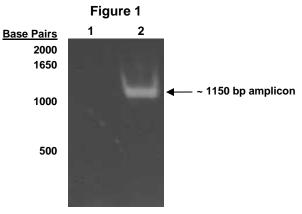
<sup>&</sup>lt;sup>4</sup>7 days at 37°C and 5% CO<sub>2</sub>

<sup>&</sup>lt;sup>5</sup>Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of R. rickettsii.



SUPPORTING INFECTIOUS DISEASE RESEARCH

## **Certificate of Analysis for NR-48825**



Lane 1: Negative control Lane 2: NR-48825

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