

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 cells¹ infected with *Rickettsia rickettsii* (*R. rickettsii*), strain Smith.

Lot²: 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 Amplification³	~ 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 ¹ and evaluated by CPE ^{4,5}	No viable bacteria detected	No viable bacteria detected

¹Vero cells: ATCC[®] CCL-81[™]

²Nucleic 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).

³Amplified using iTaq[™] DNA Polymerase (Bio-Rad 170-8870) with 5 µL of NR-48825 in a 50 µL reaction

⁴7 days at 37°C and 5% CO₂

⁵Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of *R. rickettsii*.

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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Certificate of Analysis for NR-48825

