Quantitative Synthetic Coxiella burnetii DNA
(ATCC® BAA-4000SD™)

**Please read this FIRST**

**Storage Temp.**
-70°C or colder

**Biosafety Level**
1

**Intended Use**
This product is intended for research and diagnostic use only. It is not intended for any animal or human therapeutic use. The synthetically engineered sequence of the product constitutes intellectual property belonging to ATCC. Unauthorized use, including sequencing, modification, or reverse-engineering of the product is expressly prohibited without prior ATCC consent.

**Citation of Strain**
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Quantitative Synthetic Coxiella burnetii DNA (ATCC® BAA-4000SD™)

**Nucleic Acid Information**
Specification range: 1 x 10^5 to 1 x 10^6 copies/µL
100 µL per vial with Biomatrica DNAstable

**Description**
Source: Quantitative Synthetic Coxiella burnetii DNA
Description: ATCC® Genuine Nucleics can be used for assay development, verification, validation, monitoring of day-to-day test variation, and lot-to-lot performance of molecular-based assays. The quantitative format allows for the generation of a standard curve for quantitative PCR (qPCR) to determine bacterial load. Preparation includes fragments from com1, icd, transposase (IS1111A), gyrA, and sodB regions.

**Note:** Aliquoting is highly recommended to avoid multiple freeze-thaws, which can damage the synthetic DNA.

**Batch-Specific Information**
Refer to the Certificate of Analysis for batch-specific test results.

**Preparation Procedure**
1. Thaw the vial at room temperature and immediately place on ice. Avoid exposing the synthetic DNA to repeated freeze-thaw cycles as it may result in degradation of the DNA and variation in copy number.
2. Gently mix the sample to ensure an even distribution of material.
3. Briefly centrifuge the tube before opening to ensure all liquid is at the bottom.

**Quality Control Information**
Manufactured under ISO 13485 guidance

**Biosafety Level:** 1
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

**ATCC Warranty**
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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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