Quantitative Synthetic

**Coxiella burnetii DNA**

(ATCC® BAA-4000SD™)

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**Description**

*Source:* Quantitative Synthetic *Coxiella burnetii* DNA

*Description:* ATCC® Genuine Nucleic acids 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.

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**Batch-Specific Information**

Refer to the Certificate of Analysis for batch-specific test results.

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**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.

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**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.

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