Genomic DNA from *Acinetobacter baumannii*, Strain H72721

Catalog No. NR-10146

For research use only. Not for human use.

**Contributor:**
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**Product Description:**
Genomic DNA was obtained from a preparation of *Acinetobacter baumannii* (A. baumannii), strain H72721 isolated in June 2006 at Landstuhl Regional Medical Center in Germany from human sputum of a Canadian soldier injured in Afghanistan.1

*A. baumannii* is a Gram-negative bacterium that exhibits the ability to rapidly develop antibiotic resistance and is a major cause of hospital acquired infection. The genomes of multidrug resistant strains of *A. baumannii* contain resistance “islands” that can contain up to 45 resistance genes. Acquisition of these antibiotic resistance genes occurs through genetic exchange of plasmids, transposons and integrons with *Pseudomonas*, *Salmonella* and *Escherichia* species.1 2

NR-10146 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

**Material Provided:**
Each vial contains 4 to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**
NR-10146 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Acinetobacter baumannii*, Strain H72721, NR-10146.”

**Biosafety Level:** 1

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**References:**

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