

Genomic DNA from *Babesia divergens*, Strain Rouen 87 (in vitro)
Catalog No. NR-58713
Product Description:

Genomic DNA was extracted from *Babesia divergens* (*B. divergens*), strain Rouen 87, which was isolated in 1987 from the blood of a human patient in France. NR-58713 was extracted from a preparation of BEI Resources NR-52008 lot 70053901 using proprietary technology and is provided in 10 mM Tris HCl, 0.5 mM EDTA, pH 9.

Lot: 70059730
Manufacturing Date: 23MAY2023

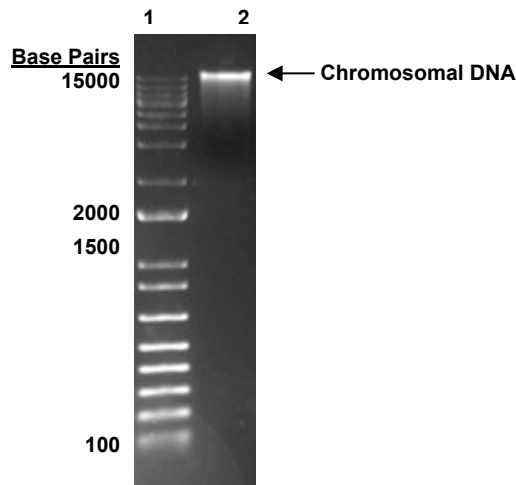
BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Content by PicoGreen® Measurement	0.2 µg to 3.5 µg in 20 to 200 µL/vial	0.23 µg in 50 µL/vial (4.5 µg/mL)
Amount per Vial	0.2 µg to 3.5 µg	0.23 µg
Genotypic Analysis Sequencing of 18S ribosomal RNA (rRNA) gene (~ 1620 base pairs) Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 570 base pairs)	≥ 99% sequence identity to <i>B. divergens</i> , strain Rouen 87 (GenBank: CCSG02000039.1) ≥ 99% sequence identity to <i>B. divergens</i> , strain Rouen 87 (GenBank: CCSG02000039.1)	99.9% sequence identity to <i>B. divergens</i> , strain Rouen 87 (GenBank: CCSG02000039.1) 99.7% sequence identity to <i>B. divergens</i> , strain Rouen 87 (GenBank: CCSG02000039.1)
PCR Assay of Extracted DNA¹ 18S rRNA gene ITS 1, 5.8S ribosomal RNA gene, ITS 2	~ 2100 base pair amplicon ~ 930 base pair amplicon	~ 2100 base pair amplicon ~ 930 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	2.0
Protozoan Inactivation 10% of total yield inoculated in medium ²	No viable organisms detected	No viable organisms detected

¹Primer sequences and conditions for PCR are available upon request.

²Incubated in human Type O erythrocytes for 14 days at 37°C in a humidified atmosphere of 93% N₂; 5% CO₂; 2% O₂ in RPMI 1640 medium adjusted to contain 10% (v/v) heat-inactivated human serum (pooled Type A), 25 mM HEPES, 2 mM L-glutamine, 2 g/L D-glucose, 27 µg/mL hypoxanthine, 4.4 g/L sodium bicarbonate and 25 µg/mL gentamicin.

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: ~ 200 ng of NR-58713

/Sonia Bjorum Brower/

Sonia Bjorum Brower

Technical Manager or designee, ATCC Federal Solutions

02 FEB 2026

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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

