

Genomic DNA from *Giardia lamblia*, Strain Be-1

Catalog No. NR-13401

This reagent is the property of the U.S. Government.

Product Description:

Genomic DNA was isolated from *Giardia lamblia* (*G. lamblia*), strain Be-1 (Beaver-1, IP-0482:1), which was isolated by Dr. G. Faubert and M. Belosevic from cysts obtained from beaver feces found in pond mud in Banff National Park, Canada. The cysts were axenized at the National Institutes of Health. NR-13401 was extracted from a preparation of BEI Resources NR-9237 lot 58447012 using proprietary technology.

Lot: 70055083

Manufacturing Date: 10APR2024

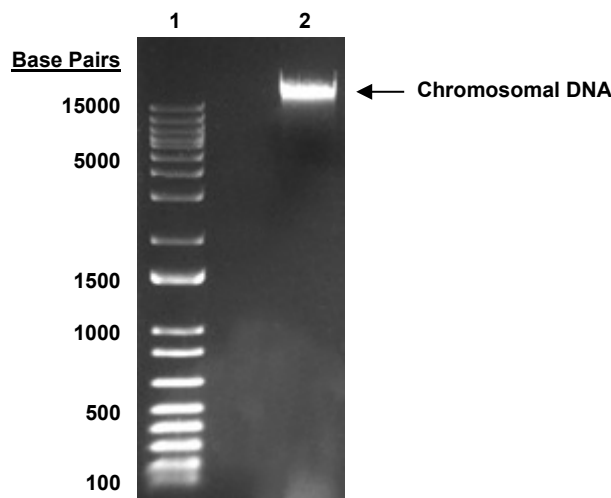
BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. 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)
Concentration by PicoGreen® Measurement	0.2 µg to 3.5 µg in 20 to 200 µL/vial	1.9 µg in 63 µL/vial (30 µg/mL)
Amount per Vial	0.2 µg to 3.5 µg	1.9 µg
Genotypic Analysis Sequencing of cytidine triphosphate (CTP) synthase gene (1680 base pairs)	Consistent with <i>G. lamblia</i>	Consistent with <i>G. lamblia</i>
Functional Activity by PCR Amplification¹ CTP synthase gene	~ 1800 base pair amplicon	~ 1800 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	1.8
Protozoan Inactivation 10% of total DNA yield inoculated Keister's Modified TYI-S-33 <i>Giardia</i> medium containing 10% bovine serum for 14 days at 35°C in a microaerophilic atmosphere	No viable organisms detected	No viable organisms detected

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

Certificate of Analysis for NR-13401

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: ~ 200 ng of NR-13401

/Sonia Bjorum Brower/

Sonia Bjorum Brower

Technical Manager or designee, ATCC Federal Solutions

25 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.

