

Genomic DNA from *Biomphalaria glabrata* Embryonic (Bge) Cell Line

Catalog No. NR-41315

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Contributor and Manufacturer:

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Product Description:

Genomic DNA was extracted from the *Biomphalaria glabrata* (*B. glabrata*) embryonic (Bge) cell line, which was derived from embryos of the snail *B. glabrata*, M-line, by Eder Hansen in 1976.¹ The original karyotype of this cell line was identical to that of the intact snail (n = 18). The Bge cell line now exhibits extensive aneuploidy.^{2,3}

Material Provided:

Each vial of NR-41315 contains 1 µg to 50 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-41315 was packaged in cryovials. The product is provided frozen and should be stored at -70°C or colder upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was provided by the Schistosomiasis Resource Center for distribution by BEI Resources, NIAID, NIH: Genomic DNA from *Biomphalaria glabrata* Embryonic (Bge) Cell Line, NR-41315."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories, 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Knight, M., et al. "The Identification of Markers Segregating with Resistance to *Schistosoma mansoni* Infection in the Snail *Biomphalaria glabrata*." Proc. Natl. Acad. Sci USA 96 (1999): 1510-1515. PubMed: 9990054.
2. Hansen, E. L. "A Cell Line from Embryos of *Biomphalaria glabrata* (Pulmonata): Establishment and Characteristics." Invertebrate Tissue Culture: Research Applications Ed. K. Maramorosch. USA: Academic Press Inc. 1976, 77-97.
3. Matthew S. Tucker, Head Schistosomiasis Laboratory and Principal Investigator (prior to 2015), Biomedical Research Institute, Personal Communication
4. Odoemelam E., et al. "Revised Karyotyping and Gene Mapping of the *Biomphalaria glabrata* Embryonic (Bge) Cell Line." Int. J. Parasitol. 39 (2009): 675-681. PubMed: 19133265.

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