

**Genomic DNA from *Candida albicans*, Strain 12C**

**Catalog No. NR-50307**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was extracted from a preparation of *Candida albicans* (*C. albicans*), strain 12C.

*C. albicans*, strain 12C is an oral isolate from a vaginitis patient in Ann Arbor, Michigan, USA between 1990 and 1992.<sup>1</sup> The complete genomic sequence of *Candida albicans*, strain 12C is available (GenBank: [AJ1Q000000](https://www.ncbi.nlm.nih.gov/nuclseq/AB000000)).

NR-50307 has been qualified for PCR applications by amplification of approximately 1100 base pairs of the 28S ribosomal RNA gene.

**Material Provided:**

Each vial contains fungal genomic DNA in buffer. The amount per vial, concentration and buffer composition are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-50307 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. For long-term storage, the product should be stored at -80°C. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Candida albicans*, Strain 12C, NR-50307.”

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Lockhart, S. R., et al. “Most Frequent Scenario for Recurrent *Candida* Vaginitis is Strain Maintenance with “Substrain Shuffling”: Demonstration by Sequential DNA Fingerprinting with Probes Ca3, C1, and CARE2.” [J. Clin. Microbiol.](https://pubmed.ncbi.nlm.nih.gov/8815082/) 34 (1996): 767-777. PubMed: 8815082.

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