

Genomic DNA from *Candida albicans*, Strain P78048

Catalog No. NR-50310

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 P78048.

C. albicans, strain P78048 is a bloodstream isolate from a person with a bloodstream infection collected in Manitoba, Canada in 2000.¹ Strain P78048 is a member of genetic clade I and has an alpha/alpha *MTL* genotype.^{1,2} The complete genome of *C. albicans*, strain P78048 has been sequenced (GenBank: [AJIX000000000](https://www.ncbi.nlm.nih.gov/nuccore/AJIX000000000)).

NR-50310 has been qualified for PCR applications by amplification of approximately 1200 base pairs of ribosomal RNA and internal transcribed spacer (ITS) region.

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-50310 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 P78048, NR-50310."

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.

Disclaimers:

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References:

1. Pujol, C., et al. "Drug Resistance is Not Directly Affected by Mating Type Locus Zygosity in *Candida albicans*." [Antimicrob. Agents Chemother.](#) 47 (2003): 1207-1212. PubMed: 12654648.
2. Lockhart, S. R., et al. "In *Candida albicans*, White-Opaque Switchers are Homozygous for Mating Type." [Genetics](#) 162 (2002): 737-745. PubMed: 12399384.

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