

***Candida glabrata*, Strain CAB52-4041**

Catalog No. HM-1123

For research use only. Not for human use.

Contributor:

Carey-Ann D. Burnham, Assistant Professor, Department of Pathology and Immunology, Washington University School of Medicine, St. Louis, Missouri, USA

Manufacturer:

BEI Resources

Product Description:

Classification: *Saccharomycetaceae*, *Candida*

Species: *Candida glabrata*

Strain: CAB52-4041

Original Source: *Candida glabrata* (*C. glabrata*), strain CAB52-4041 was isolated in February 2012 from human bronchial washings in St. Louis, Missouri, USA.^{1,2}

Comments: *C. glabrata*, strain CAB52-4041 ([HMP ID 9326](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora.

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

Five species of *Candida* make up greater than 90 percent of candidemia cases, *Candida albicans*, *C. parapsilosis*, *C. krusei*, *C. glabrata* and *C. tropicalis*.³ The non-*Candida albicans* *Candida* (NCAC) species are becoming increasingly common nosocomial infections. The frequency of the different NCAC varies greatly with geographic location. *C. glabrata* is isolated more frequently in adults than in pediatric or neonatal patients.⁴

Material Provided:

Each vial contains approximately 0.5 mL of yeast cells in 20% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

HM-1123 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Media:

Emmons Modified Sabouraud broth or equivalent
Emmons Modified Sabouraud agar or equivalent

Incubation:

Temperature: 25°C to 30°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use; thaw rapidly in a waterbath at 25°C to 30°C. Typically, this takes less than 5 minutes.
2. Immediately after thawing, inoculate an agar plate with approximately 40 µL of thawed culture and/or transfer the entire thawed aliquot into a single tube of broth.
3. Incubate the plate and/or tube at 25°C to 30°C for 2 to 4 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Candida glabrata*, Strain CAB52-4041, HM-1123."

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:

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

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product

or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. Burnham, C.-A. D., Personal Communication.
2. [HMP ID 9326](#) (*C. glabrata*, strain CAB52-4041)
3. Guinea, J. "Global Trends in the Distribution of Candida Species Causing Candidemia." *Clin. Microbiol. Infect.* 20 (2014): 5-10. PubMed: 24506442.
4. Silva, S., et al. "*Candida glabrata*, *Candida parapsilosis* and *Candida tropicalis*: Biology, Epidemiology, Pathogenicity and Antifungal Resistance." *FEMS Microbiol. Rev.* 36 (2012): 288-305. PubMed: 21569057.

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

