Cryptococcus neoformans, Isolate 6

Catalog No. NR-41296

For research use only. Not for human use.

Contributor:
Qiang Qiang Zhang, Professor, Huashan Hospital, Fudan University, Shanghai, China

Manufacturer:
BEI Resources

Product Description:
Classification: Filobasidiaceae, Cryptococcus
Species: Cryptococcus neoformans
Isolate: 6
Original Source: Cryptococcus neoformans (C. neoformans), isolate 6, was obtained from human cerebrospinal fluid in China in February 2012.1

The Cryptococcus species complex is currently composed of two species, C. neoformans and C. gattii. These species are best recognized as the agents of cryptococcosis, an AIDS-defining illness.2,3 C. neoformans is divided into two varieties, C. neoformans var. grubii (serotype A) and C. neoformans var neoformans (serotype D).2,3 In the current classification scheme, there are five distinct lineages, referred to as VNI, VNII, VNB, VNIII and VNIV.2,3 The two varieties (neoformans and grubii) are able to recombine and produce diploid or aneuploid intervarietal AD hybrids.2 C. neoformans has been widely associated with avian excreta.2

Material Provided:
Each vial of NR-41296 contains approximately 0.4 mL of yeast culture in 20% glycerol.

Packaging/Storage:
NR-41296 was packaged aseptically in cryovials and is provided frozen on dry ice. The product should be stored at -60°C or colder. For long term storage, cryogenic temperature (-130°C or colder), preferably in the vapor phase of a liquid nitrogen freezer, is recommended.

Growth Conditions:
Media:
Yeast Mold broth or equivalent
Yeast Mold 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 transfer the entire thawed aliquot into a single tube of broth.
3. Incubate the plate 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: Cryptococcus neoformans, Isolate 6, NR-41296.”

Biosafety Level: 2


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:

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