Cryptococcus neoformans, Isolate 10

Catalog No. NR-41300

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:
Classification: Filobasidiaceae, Cryptococcus
Species: Cryptococcus neoformans
Isolate: 10
Original Source: Cryptococcus neoformans (C. neoformans), isolate 10 was obtained from human cerebrospinal fluid in China in May 2011.¹

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 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.²,³ C. neoformans has been widely associated with avian excreta.²

Material Provided:
Each vial of NR-41300 contains approximately 0.4 mL of yeast culture in 20% glycerol.

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

Packaging/Storage:
NR-41300 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 or 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 10, NR-41300.”

Biosafety Level: 2

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