


Cryptococcus species Genotype and Serotype Analysis

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Abstract

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Materials

- Ethyl alcohol, Pure 200 proof, for molecular biology [E7023](#) by [Sigma Aldrich](#)
-  isopropyl alcohol by Contributed by users
- YPD Broth [SD7022.SIZE.250g](#) by [Bio Basic Inc.](#)

Protocol

Genomic DNA was extracted according to the procedures of MasterPure™ Yeast DNA Purification Kit.

Step 1.

The internal transcribed spacer (ITS) regions including the 5.8S rDNA clusters were amplified by PCR using the ITS4 and ITS5 sets (ITS4:5-TCCTCCGCTTATTGATATGC-3, ITS5: 5-GGAAGTAAAAGTCGTAACAAGG-3).

Step 2.

Acquired sequences were submitted to GenBank and BLAST analysis to determine the identity of the isolates.

Step 3.

PCR fingerprinting using the single primer, M13 (5-GAGGGTGGCGGTTCT-3), was used to identify the genotype and serotype of the *C. neoformans* isolates.

Step 4.