

Yeast Identification Service

Description: The identification and classification of yeasts have traditionally been based on morphological, physiological and biochemical traits. Identification of relevant yeasts can be time-consuming and inaccurate with most of the available methods. We use PCR-based detection of sequence polymorphisms in the internal transcribed spacer 2 (ITS2) region of the rDNA genes as a means of yeast identification. Unique, PCR products ranging from ~ 230-450 bp are specific to yeast. These data, and the specificity of length polymorphisms for identifying yeasts, are confirmed by DNA sequence analysis of the ITS2 region. DNA Sequences specific to species can be easily distinguished by restriction enzyme analysis if needed.

Identification is guaranteed up to genus level while species as well as strain identification would be possible.

Features:

- Based on ~ 230-450 bp of ITS2 region of the rDNA genes sequence analysis
- Restriction analysis of PCR-amplified ITS2 region DNA if required
- Identification will be based on 10 closest homolog yeast sequence available in NCBI GenBank
- Rapid and reliable method to identify yeasts, including potentially new or emerging pathogenic species.

Deliverables:

1. Final report containing the yeast identity information.
2. Nucleotide sequence percentage homology table indicating the identity within 10 most similar neighbours
3. Phylogenetic tree displaying evolutionary relationship of the yeast with 10 nearest neighbours

Delivery Time: 4-6 weeks.

Ordering Information:

Product	Size	Cat #
Yeast Identification Service	Per sample	116701

C
U
S
T
O
M

S
E
R
V
I
C
E
S

Application Form for Yeast Identification Service

Order No. / Date:

Name of the Scientist:

Institute/Address:

Any preliminary identification information known about the sample:

Whether the sample is infectious:

How to send samples:

1. Purity of microbial sample is the key for accurate identification.
2. Please send the culture in petriplates.
3. Isolated Total DNA is preferable
4. Ensure purity of the culture before sending.

Please do not consider this application form as a purchase order

NOTE: Kindly send this application to the following address:

Bangalore Genei Services, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058.