

Bacterial Identification Service from a Mix

Introduction:

Identification of individual members from a bacterial mix/ slurry/ population is a difficult job though it's very important to find out the prominent bacteria members useful for the process under study. Selective media for growing and purifying individual bacteria without any knowledge about the constituents becomes a Herculean task.

The technology developed and validated in Bangalore Genei uses molecular biology techniques to identify even 100 or more individual bacteria from a bacterial mix provided. Semi-quantitative predictions about the composition of the constituents are also possible. Detailed report that includes 1500 bp 16S rDNA sequence data, bacterial identity data, 10 closest neighbour information as well as the Phylogenetic Tree are provided for each of the constituents.

Identification is guaranteed up to genus level while species as well as up to strain identification would be possible depending on available prior data.

Features:

- 100 or more bacteria identified from a mix
- Based on 1500 bp of 16S-rDNA gene sequence analysis
- Identity as well as 10 nearest neighbours mentioned
- Similarity matrix as well as Phylogenetic tree provided
- Fast and reliable service

Deliverables:

1. Final report containing the bacterial identity information for each constituent
2. Similarity Matrix table indicating the homology within 10 most similar neighbours
3. Phylogenetic tree indicating evolutionary relationship of the bacteria with 10 nearest neighbours
4. 1500 bp sequence data
5. Final report with the details of protocols followed for the project

Delivery Time:

Identification of up to 50 bacteria from a sample: 6 weeks

Ordering Information:

Product	Service	Cat #
Bacterial Identification Service from a mix	Per Sample	107418

Service Tax as applicable will be charged extra

Note: Please Contact geneiservice@sanmargroup.com

Application Form for Bacterial Identification Service

Order No. / Date:

Name of the Scientist:

Institute/Address:

Any preliminary identification information known about the sample:

Whether the sample is infectious:

Growth condition for the bacteria will be provided if more sample required: yes/ No

How to send samples:

Grow around 5-10 ml of slurry/ culture-mix up to mid-log phase, pellet down cells, drain off remaining media till the last drop, seal the tube and hand over tube to our sales representatives along with the filled up form.

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.