

CAPABILITY BROCHURE

MOLECULAR BIOLOGY AND MICROBIOLOGICAL ANALYSIS

Molecular biology tests

DNA fingerprinting techniques

Random Amplified Polymorphic DNA (RAPD) technique.
Amplified Fragment Length Polymorphism (AFLP) technique.
Restricted Fragments Length Polymorphism (RFLP) technique.
And different techniques

Biochemical analysis

Total protein identification and analysis
1-Dimension and 2- Dimension SDS-PAGE techniques.

Isozymes analysis (Peroxidase, Esterase,.....).

Identification and characterization of microorganisms through molecular biology techniques :

Identification and characterization of *Salmonella sp.*
Identification and characterization of *E.coli sp.*
Identification and characterization of unknown bacteria
Identification and characterization of *Clostridium sp.*
Identification and characterization of *Pseudomonas aeruginosa*
Detection of GMO content

Chemical analysis

Drinking and Non-drinking water parameters
Drinking and Non-drinking water contaminants (bacteria, fungi,)
Food testing

Microbiological analysis

Total bacterial count

E.coli

Streptococci

Candida albicans

E.coli O157:H7

Yeast and mold count

Pseudomonas aeruginosa

Lactobacillus

Staphylococcus sp.
