

## New DNA Fingerprinting Service (by RFLP)

### Introduction:

Every organism has a set of DNA patterns that separate it from others, which form its genetic "fingerprint". Restriction Fragment Length Polymorphism (RFLP) offers simple and quick DNA analysis techniques in which organisms may be differentiated by analysis of patterns derived from cleavage of their DNA. RFLP is a difference in homologous DNA sequences that can be detected by the presence of fragments of different lengths after digestion of the DNA samples with specific restriction endonucleases (4-6 bp recognition sites).

### The procedure of RFLPs into steps:

- Genomic DNA fragmented by a restriction enzyme, which can recognize and cut DNA wherever a specific short sequence occurs.
- DNA fragments are then separated by length in agarose gel or polyacrylamide gel electrophoresis
- RFLP profile analysis for genome mapping, localization of genetic disease genes, determination of risk for a disease, genetic fingerprinting and paternity testing.

### Features:

- The RFLP probes are frequently used in genome mapping and in variation analysis (genotyping, forensics, paternity tests, hereditary disease diagnostics, etc.).
- Genetic diversity can be identified within breeding populations in plants and animals.
- To differentiate between two species (Prokaryotes or eukaryotes), as well as to identify organism containing a gene of interest.

### Deliverables:

1. RFLP fingerprint profile
2. Final report

### Delivery Time:

4-5 weeks

### Ordering Information:

Product	Service	Cat #
DNA Fingerprinting Service (by RFLP)	upto 5 samples	117778

***Service Tax as applicable will be charged extra***

**Note:** Please Contact  
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