

## Immunotechnology (15 days)

Module Content
Introductory Lecture - Demonstration of Instruments, Laboratory mathematics, Good Laboratory Practices and Safe Handling of Biomedical Waste
Determination of Blood group
Immunodiffusion Techniques <ul style="list-style-type: none"><li>i. Radial Immunodiffusion Technique(RID)</li><li>ii. Ouchterlony Double Diffusion Technique (ODD)</li></ul>
Immuno-electrophoresis Techniques <ul style="list-style-type: none"><li>i. Rocket Immuno-electrophoresis Technique (RIEP)</li><li>ii. Counter Current Immuno-electrophoresis Technique (CCIEP)</li></ul>
Separation of serum and plasma
Isolation of Serum Protein by Salting out Method.
Serum Protein profiling by SDS- PAGE.
Presentation, Report Submission and Viva voce

## Immunotechnology (30 days)

Module Content
Introductory Lecture - Demonstration of Instruments, Laboratory mathematics, Good Laboratory Practices and Safe Handling of Biomedical Waste
Determination of Blood group
DOT-ELISA

Immunodiffusion Techniques

- i. Radial Immunodiffusion Technique(RID)
- ii. Ouchterlony Double Diffusion Technique (ODD)

Immuno-electrophoresis Techniques

- i. Rocket Immuno-electrophoresis Technique (RIEP)
- ii. Counter Current Immuno-electrophoresis Technique (CCIEP)

Chromatographic techniques (Affinity Chromatography, Ion exchange chromatography & Size exclusion chromatography)

Separation of serum and plasma

Isolation of Serum Protein by Salting out Method.

Serum Protein profiling by SDS- PAGE.

Western Blotting