

TRAINING SCHEDULE –I “BASIC MICROBIAL TECHNIQUES”

Day 1 - Lecture on Basic Techniques on Microbiology

Good laboratory practices, Methods of sterilization – Physical methods- Chemical methods, UV sterilization, Autoclave, Disinfectants- Antiseptics.

Day 2 - Media preparation and Plating techniques

About culture technique- Properties of media-Solid agar media – Semi solid agar media- Liquid (Broth) preparation- Different types of media – Culturing of bacteria - Purpose of culturing - Isolation of pure culture – Plating techniques – Spread plate – Streak plate – Continuous streaking plate – Single streaking – Quadrant streaking – Lawn culture – Stroke culture – Stab culture – Pour plate technique.

Day 3 - Microbial Staining Techniques

Serial dilution, Bacteria colony forming units, Colony counting, Simple staining – Differential staining – Gram staining – Acid- fast staining - Endospore staining – Capsule staining, Storage methods.

TRAINING SCHEDULE –II “BIOTECHNOLOGICAL TECHNIQUES”

Day 4 - Sodium Dodecyl Sulfate PAGE Analysis (SDS Page)

Buffer preparation – Sample preparation - Gel preparation – Loading gel, Stacking gel, Sample loading, Protein profiling, CBB staining

Day 5 Isolation of DNA by Phenol Chloroform Method

Preparation of buffer – Isolation of DNA from bacteria– Gel preparation – Agarose gel electrophoresis, Observation of DNA bands via UV trans illuminator and Molecular weight calculation.

Educational Qualification: SSLC, HSS, B.Sc., M.Sc., M.Phil. & Others

FEES STRUCTURE:

Basic Microbial Techniques - Rs. 2000 (3 days)
Biotechnological Techniques - Rs. 2500 (3 days)
Both Techniques - Rs. 4000 (5 days)
Training Manual - Rs. 200

PAYMENT DETAILS:

Account Holder Name - Foundation for Innovative Research in Science and Technology Trust

Bank Name - Indian Overseas Bank

Account No - 134402000000979

IFSC - IOBA0001344

FOR FURTHER DETAILS

Contact : 04652-259193, 6380002616

E-mail : fristtrustorg@gmail.com

Website: <http://fristtrustindia.org>

***Download the Application Form from the Website or make a request via fristtrustorg@gmail.com**

TRAINING ON “BASIC TECHNIQUES IN MICROBIAL BIOTECHNOLOGY”

DURATION OF TRAINING - 6 Days



FOUNDATION FOR INNOVATIVE RESEARCH IN SCIENCE AND TECHNOLOGY

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