

MICROBIOLOGY TRAINING PROGRAM

Microbiology testing plays a very crucial role in issues related to hygiene and safety. Theoretical knowledge of Microbiology is not enough to practice it, thus a person needs to be proficient in handling techniques related to it. Spectro provides training on Microbiology testing by experienced and eminent personnel who help the trainee to enhance his knowledge in this field and practice to carry out microbiology tests with different samples. Our laboratory is well-equipped with all the required instruments which works on the modernized technology and our experts uses the best testing methodologies to meet the requirements of specified National and International Standards.



Objective of the Training :

To give detailed introduction of techniques used in water and food microbiology testing, different microorganisms especially bacteria, fungi and protozoa with their causes and effects. Practice on media preparation is carried out and technique to handle the instruments used in microbiological testing is explained. Also the method of isolating and identifying the microorganism, culture maintenance and verification and related biochemical tests are explained.

6 DAYS TRAINING MODULE:

- DAY 1:** Introduction to IS/ISO and NABL standards and their importance, introduction to lab, samples for testing and the activities performed.
- DAY 2:** Guiding Media preparation and autoclaving based on good laboratory practices.
- DAY 3:** Exposure to testing of different samples of water.
- DAY 4:** Exposure to testing of various food samples.
- DAY 5:** Explaining area and instrument validation and maintenance of laboratory as per GLP.
- DAY 6:** Exposure to environmental sampling and testing of microbes, swab testing and antimicrobial activity of materials.



MINIMUM ELIGIBILITY REQUIRED:

The trainee must possess a graduation degree in science field with biology or must be pursuing the same.

BENEFITS OF THE TRAINING:

The training is beneficial for those who are willing to work as microbiologists and work in industries related to food, water, dairy products, cosmetics, detergents and various other industries where microbial testing is done.

PLEASE NOTE:

- * We also conduct customized training programs on request.
- * The certificate will be provided only after clearing a test



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