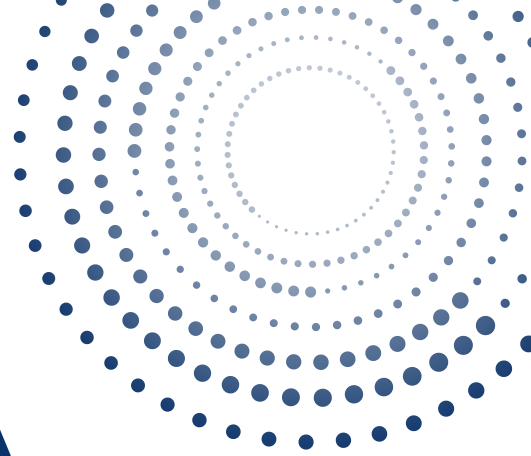


BE THE EXPERT  
FOR

**DIAGNOSTICS &  
HEALTHCARE INDUSTRY**



### HANDS ON LEARNING

- ✓ Real Time PCR
- ✓ Flow Cytometry
- ✓ Immunoassay
- ✓ Biochemistry
- ✓ PCR
- ✓ ELISA
- ✓ Immunofluorescence
- ✓ Microbiology

Join Us Now

**Send Your Resume**

[info@allelelifesciences.com](mailto:info@allelelifesciences.com)

**Our Website**

[www.allelelifesciences.com](http://www.allelelifesciences.com)

**Contact Us**

09891179928



# Diagnostics & Healthcare Industry

## Module 1: Nucleic Acid Extraction (DNA & RNA) & Its Purity Analysis

Unit 1: DNA Extraction

Unit2: Quantitative & Qualitative Analysis of DNA Qualitative Analysis of DNA

Unit3: RNA Extraction

Unit4: RNA Quantification and Purity Check

## Module 2: PCR For Disease Diagnosis

Unit 1: RNA Extraction & mRNA Purification

Unit 2: First Strand cDNA Synthesis

Unit 3: Qualitative RT-PCR

Unit 4: Nested PCR for Molecular Diagnostics

## Module 3: Real Time PCR & Molecular Diagnostics

Unit 1: Total RNA Extraction & First Standard cDNA Synthesis

Unit 2: Basics of Real Time PCR, Primer Design and Software

Unit 3: Real Time PCR Sample Run for molecular diagnosis

Unit 4: Data Analysis and Reporting

## Module 4: ELISA & Diagnostics

Unit 1: Understand principles of ELISA and immunodiagnostics

Unit 2: Plate coating, blocking, washing, sample loading

Unit 3: Reading absorbance using ELISA reader

Unit 4: Plotting standard curve, interpreting OD values

## Module 5: Flow Cytometry in Diagnosis

Unit 1: Basics of Flow Cytometry & its application in clinical diagnostics

Unit 2: Sample Preparation for BD Flow Cytometer

Unit 3: Sample run for detection

Unit 4: Analyse data with Flow Cytometer Software

## Module 6: Immunofluorescence Assay For Diagnosis

Unit 1: Basics and Calibration of FL-Microscopy

Unit2: SYBR® Green Staining for Microscopy

Unit3: Immunofluorescence Characterization

Unit4: Olympus FluoView FV1000 software

## Module 7: Microbial Diagnosis

Unit 1: Direct Microscopic Examination

Unit2: Streaking & Plate Count

Unit3: Enumeration of Microbes & Colony Counting

Unit4: Detection and confirmation species





# Information

**TRAINING FEE ( Diagnostics & Healthcare Industry)**  
INR 20,000

## **DURATION**

30 to 45 Days or 100 Hrs

## **EMPLOYMENT OPPURTUNITY IN HEALTHCARE SECTOR**

**Market Value (2024):** ~\$20–25 billion globally

**Expected CAGR:** >12% annually (2024–2030)

**Projected Value (2030):** ~\$50–60 billion

## **OUR OBJECTIVES**

Human Resource Generation refers to the systematic development of skilled professionals to meet the growing demands of the healthcare and diagnostics industry. With the rapid expansion of diagnostic technologies.

### **Hiring Sectors:**

- Molecular Diagnostic Labs
- Genomics Companies
- CROs & Biotech
- Public Health & Govt Labs

## **ASK FOR CUTOMISED TRAINING FOR WORKING PROFESSIONALS**

Customized training programs for working professionals in diagnostics can cover a range of topics, including Molecular Genetics, Immunoassay, Flow Cytometry, HPLC, Cytogenetics and Microscopy. We will decide training fee for customised program after mutual discussion.

## **GENERAL INFORMATION**

- We have not included the basic experiment like; chemical preparation, normality, molarity, buffers, electrophoresis, media preparation, pH, sterilisation etc. **You will learn during hands on learning.**
  - You will **use bioinformatics tool during your experiments.**
  - **All basic test are automatically incorporated** in our training.
  - You will **get certificate** after completion of training program.
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