



CAHO

Committed to Safer Healthcare

Consortium of Accredited Healthcare Organization

PRESENTS

RT – PCR Including CBNAAT and TrueNat for COVID Testing Laboratory

Register at

caho.in/training-program

Duration – 1 month



Overview:

The modules are aimed at giving participants an objective understanding of Real-Time PCR application in molecular diagnostics.

Engaging sessions by experts will acquaint the participants about protocols employed in RT-PCR including CBNAAT & TrueNat and will help the lab professionals in implementing standardized molecular techniques in their respective laboratories.

Who should attend:

Those who are engaged in Diagnostic/ Hospital Laboratory or Clinical Research Laboratory

- Pathologists, Microbiologist, Biochemists
- Lab Director, Lab Manager/Supervisor/Coordinator, Lab Technologists, Lab Technicians

What is going to happen?

- E-Modules
- Exercises
- Virtual Lab Tour

FACTULTY



Dr. Sankar Sen Gupta

Medical Superintendent,
Laboratory Supervisor, ICMR VRDL
Lab for Covid Testing CNCI,
Kolkata



Dr. Debkishore Gupta

Consultant & Head - Clinical
Microbiology & Infection control
Head- Quality Assurance & Clinical
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Dr. Bansidhar Tarai

Principal Consultant,
Head Microbiology & Infection Control
Max Super Speciality Hospital, Delhi



Dr. J Jayalakshmi

Professor & HOD - Microbiology
KMCH Institute of Health Sciences &
Research, Coimbatore

SESSION MODULES

MODULE I RT – PCR

- I. Introduction - Application of Real time PCR in Modern Medicine
- II. Quality Control Techniques employed in RT-PCR
- III. Technical skill development in RT PCR Lab
 - Donning and Doffing of PPE
 - NPS Collection for Covid testing
 - RNA Isolation technique & Master mixing technique
 - Testing in Real time thermo-cyclers
- IV. Interpretation skill development on RT PCR results
- V. Virtual Lab Tour
- VI. Exercises

MODULE II CBNAAT

- I. Accreditation advantage for CBNAAT
- II. CBNAAT – Principle & Technology
- III. Set up of CBNAAT Laboratory
- IV. Sample Preparation, Do's & Don'ts
- V. Interpretation of the Graphs
- VI. Reporting – Problems & Solutions
- VII. Quality Assurance of CBNAAT
- VIII. Virtual Lab Tour
- IX. Exercises

MODULE III TrueNat

- I. Accreditation advantage for TrueNat
- II. TrueNat Principle and how it differs from CBNAAT
- III. Set Up of TrueNat Laboratory
- IV. Sample Collection and How it differs from CBNAAT & RT-PCR
- V. Analysis of the TrueNat Report
- VI. Reporting – Problems & Solutions
- VII. Quality Assurance of TrueNat
- VIII. Virtual Lab Tour
- IX. Exercises

MODULE IV BioFire FilmArray

- I. BioFire FilmArray – Principle & Technology and hoe it differs from CBNAAT
- II. Sample Collection, Processing & Reporting
- III. Comparative Analysis of RT-PCR, BioFire FilmArray, TrueNat & CBNAAT
- IV. Virtual Lab Tour
- V. Exercises



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TRAINING PROGRAM FEES

(inclusive of 18% GST)

| | | |
|-----------------|-------------------------------------|-----------------------------------|
| Non-Members: | Associate Individual Annual Members | Associate Individual Life Members |
| ₹ 4000/- | ₹ 3000/- | ₹ 2500/- |

**After Completion of E- MODULES
(DURATION -1 MONTH)**

- * Online Assessment
- * Certification after qualifying online assessment (70%)

REGISTER NOW

Help Desk: **Ms. Anitha / Ms. Meenakshi**
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