



Ananya Mitra

Hospital/ Laboratory Operations and Quality
Manager

Personal Details

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Core Competencies

- Research & development
- Quality Management system (QMS)
- Microbiology & Molecular Biology Techniques
- Quality Control/ Quality Assurance
- Process Improvement
- Lean Six Sigma Methodologies
- Operations Management
- Communication skills
- Documentation
- Problem-solving
- Multitasking
- Statistical Analysis and interpretation
- Procurement/Vendor management

Education Qualification

MBA: Operations & Supply Chain Management

NMIMS - Mumbai (Dec 2021- April 2023)
CGPA: 3.9

M. Phil: Microbiology

Saurashtra University - Rajkot,
Gujarat (Apr 2016- May 2017)

Master of Science: Microbiology

Saurashtra University - Rajkot,
Gujarat (Mar 2014- April 2016)

Distinction with Gold Medal

Bachelor of Science: Microbiology

Veer Narmad South Gujarat University
- Surat, Gujarat (Mar 2009- Apr 2011)

Profile Summary

A diagnostic microbiologist with more than 9 years of experience in a diverse fast-paced industrial settings including NABL accredited diagnostics laboratory, research and development, Quality control in manufacturing, and public health. Handling a team of upto 150 members. As a Green Belt professional in Lean Six Sigma and MBA in Operations and Supply Chain Management, I bring a unique blend of Operational excellence and technical skills to deliver significant value to Organizations

Professional Experience

Technical Support Expert: Lab Quality Services: (From Mar 2022) Hindustan Latex Family Planning and Promotion Trust, Mumbai

- Quality Control and Operations Management of HIV testing Labs and Blood Transfusion Services in Maharashtra and Goa under National AIDS control Program (NACO)
- Conduct regular Inspection to ensure adherence to regulatory standards for HIV testing in 24 State reference labs, 116 ICTCs, 12 Viral Load labs and 22 CD4 labs.
- Training, and supervising a team of 28 Technical field officers, 150 lab technicians.
- Carry out in depth analysis of data from Labs and blood banks and use the information in strategic planning for setting camps or establish new labs to reach the target demography
- Monitoring the work related to EQAS for HIV, Blood Bank, Viral Load and CD4 testing including statistical data analysis and submitting monthly report to NACO, Troubleshooting and suggesting CAPA.
- Ensuring all the laboratories are NABL, CAB and ISO Quality standards compliance and helping in application and renewal of certification

Research Scientist: (Oct 2020 - Feb 2022)

TRANSASIA BIOMEDICALS LTD, Mumbai

- Work closely with the Erba Molecular (U.K) R&D team to research and develop the Covid-19 RT PCR next-generation test kit and optimise the assay protocol.
- Conduct clinical trials for validation of clinical sensitivity of tests and analyse results to suggest improvement measures.
- Perform stability and validation of products and make changes in the product design formulation if required as per quality system procedures.
- Significantly contribute to the successful product development such as Erba-Qik rapid Covid-19 Antigen detection high sensitive kit.
- Successfully used different technologies in design and development of IVD bioassay development viz ELISA, CLIA, lateral flow rapid assay, FRET and molecular biology

Certifications

Lean Six Sigma Green Belt
KPMG -2023

NABH 5th Edition(POI) Program on Implementation
CQI-2023

Internal Auditorship NABL
15189:2012
CQI- 2022

Certified with MHRD-UGC-GIAN, Government of India
(metagenomics & microbiomes,
2017 held at UGC-CAS Department of Biosciences.

Key Achievements

- Successfully **achieved NABL accreditation** of 12 SRLs & 21 ICTCs in 1 year
- Improved the process efficiency of Microbiological department by
- **Design and developed** products in ELISA and CLIA on various parameters such **as HIV, HCV and Dengue Gen 3 and Gen4.**
- **Developed SOPs** for tests in line with standard guidelines and documented all internal and external QCs for NABL & ISO audits.
- Coordinated Government projects **like PPSA Alert India for CBNAAT and presented monthly performance data for H1N1 testing and CBNAAT** to Integrated disease surveillance Programme of Maharashtra (IDSP) and National Tuberculosis (NTI).

Publications

- Published a book chapter in **Encyclopaedia of Marine Biotechnology**: © 2020 Published by John Wiley & Sons Ltd. 2020.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119143802.ch76>
- Published a Book Chapter in Marine Microbial Bioremediation: **"Bioremediation Markers in Marine Environment"**

Section Technical Manager (Microbiology Dept.) (Dec 2018 to Oct 2020)

SRL Diagnostic Dr Avinash Phadke Lab, Mumbai

- Managed a team of 12 Technicians, 3 interns and 4 lab assistants while ensuring a smooth workflow of the diagnostic microbiology department and
- Ensured timely release of reports within the assigned TAT.
- Implemented COVID-19 testing using Seegene, Trupcr and Thermo fisher kits
- Utilised technical understanding of medical devices such as MALDI_TOF for Identification, Vitek-2 compact, Vitek MS, BIOFIRE (Automated PCR), Genexpert and Genexpert Ultra for detection of MTC, MGIT 960 and BACT-Alert for TB culture and TBDST, Taqman for HBV, HCV and HIV, and BACT Alert for Blood culture.
- Preparation and implementation of SOPs, STPs, Formats, Log sheets, Analysis reports, instrument calibration records as per ISO, CLSI and FDA
- Achieved 68% improvement in process efficiency and improved customer satisfaction by 87%

Manager New Business Acquisition (Aug 2017 to Sept 2018)

Camellia Corporate Solutions Pvt. Ltd., Pune

- Screened potential business deals in real estate by analyzing market strategies, deal requirements, potentials & financials.
- Facilitated document collection from the client, scrutinized as per the requirement of the credit department, negotiated with key stakeholders, and drafted terms & conditions of the mandate.
- Generated a business pipeline of 150 Cr from Real Estate clients.
- Provided an excellent and professional level of customer service to existing and new customers.

QC Microbiologist: (May 2012 to Nov 2014) Gulshan Polyols Ltd, Bharuch, Gujarat

- Executed Quality Control-Micro testing including Endotoxin, growth promotion, Microbial identifications, Microbial limit testing, Sterility testing, raw materials (RM), finished goods (FG) water, and environmental monitoring.
- Managed a team of 10 members, including training of personnel, and preparing Monthly, Quarterly and Annual Customer (Unilever, Colgate etc), HACCP and ISO and CPCB audit reports

Microbiologist Technician: (Apr 2010 – May 2012) Advance Micro Life Laboratory, Bharuch

- Conducted microbiological culture and antimicrobial susceptibility of body fluids and participated in Research Projects and extending technical support to researchers.
- Preparation of Microbiological media, handling equipment for TOC, Air sampler, pH meter and analytical balances Autoclave, Steam sterilizer, DHS water bath, incubators, colony counter mini API Analyzer and water activity analyser.