



# SUMESH SHREEKHANDA SHRESTHA

## Clinical Microbiologist

 Kathmandu

 9849017941

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## PROFESSIONAL SUMMARY

Self-motivated Clinical Microbiologist with more than 6 years of experience in the diagnosis of disease by the analysis of biological specimen and report the results to the physicians. With additional work experience in Quality Control(QC) and Quality Assurance(QA) of lab tests with providing proper patient service.

## EXPERIENCE

### Clinical Microbiologist

Jan 2021 - Present

International Organization for Migration • Kathmandu

-Participation in the Quality Assurance program in the National External Quality Assessment Scheme(NEQAS) provided by the National Public Health Laboratory(NPHL),

-Prepare the specimen for testing, including collecting blood and other bodily fluids such as sputum from clients for TB tests as Microscopy, Culture, Molecular tests as GenXpert MTB/RIF from specimens,

-Performed troubleshooting and quality control management of lab tests ensuring accuracy in testing and adherence to SOP,

-Organize and maintain records and information for timely delivery of results, with data collection, analysis and reporting for laboratory monitoring,

-Performance of the lab tests following the Standard Operating procedures,

-Engaged in COVID-19 diagnosis with routine participation in Quality Control program and support in IOM's COVID-19 response in the country

-Communication with healthcare providers about patient test results.

### Clinical Microbiologist

Nov 2020 - Apr 2021

German Nepal Tuberculosis Project • Kalimati, Kathmandu

- Performed various lab. tests Sputum-smear microscopy, culture and identification of Mycobacteria spp for the diagnosis of TB,

- Drug susceptibility testing for first line tuberculosis drugs,

- Molecular diagnostic techniques for diagnosis of TB such as GenXpert MTB/RIF, Line Probe Assay,

- Routinely update and support development and adherence to SOPs for each Lab tests including DST of first-line anti-TB drugs,

- Maintenance of TB laboratory according to work flow and biosafety considerations according to international standards,
- Advise and assist the laboratory staff for adherence to international biosafety standards assuring the proper sterilization and safe disposal of bio-hazardous wastes generated.

### Medical Laboratory Technologist

Aug 2017 - Aug 2020

Vinayak Hospital and Maternity Home Pvt. • Gongabu, Kathmandu

- Perform Laboratory Test using following the SOP and correctly enter the results of those tests
- Analysis of blood cells by both automated and manual methods for counting and identifying cells, using microscopic techniques and procedures.
- Ensure the proper operation of Fully auto-analyzers and semi-auto analysers such as Microscopes, Coulter Counters, Biochemistry Analyzers, Spectrophotometers, Colorimeters, Electrolyte analyzers, refrigerators and other laboratory equipments.
- Determine the normal and abnormal components of various body fluids and wastes such as Blood, Urine, Semen, Cerebrospinal fluid, stool etc. and provide the results.
- Perform collection of clinical specimen for diagnosis of
- Maintain the laboratory supplies inventory by examination of stock to determine the current inventory status.
- Preparing samples for testing, including collecting blood and other bodily fluids from patients and culturing bacteria from specimens
- Identification and Antimicrobial Susceptibility Testing of bacterial isolates from clinical specimen by culture techniques.

## SKILLS

Proper handling of Laboratory Equipments

Quality Control Procedures

Equipment Maintenance

Specimen Laboratory Analysis and Results

## EDUCATION

### Master's Clinical Microbiology

Maharajgunj Medical Campus, IOM • Maharajgunj, Kathmandu

May 2017 - Jun 2020

### Bachelors Clinical/Medical Laboratory Science

ManMohan Memorial Institute of Health Sciences(MMIHS), IOM • Kathmandu, Nepal

Nov 2012 - Dec 2016

## LANGUAGE

- Nepali, Newari, and English.