

Curriculum Vitae

Name :Kallol Saha
Date of Joining : 21.08.1995
Present Post : Junior Scientist



Educational Qualifications

| Exam. Passed | Board/Univ. | Year | % Obtained |
|--------------------|--------------|---------|------------|
| M.Sc. Microbiology | NIMS, Jaipur | 2015-16 | 61.0 |
| M.Sc. (Zoology) | MPBOU | 2008 | 65.5 |
| PGDLT | STM&H | 1991 | 58.0 |
| B.Sc. (Bio) | C.U | 1989 | 60.0 |

Brief Job Profile

- Sterility testing is a regulatory compliance to assure Safety of Biological Products.
- Approximately **24years of experience in Sterility Testing of Biological Products** (e.g. Vaccines, Recombinant Products and Blood Products) and is competent to carry out testing as per pharmacopeia requirement of IP, BP, USP & EP

Professional Training

| Place of Training | Period of Training | Area of Training | Implementation of Training |
|-----------------------|---------------------|---|--|
| FICCI | 09.07.13 - 10.07.13 | Assuring Quality of Results in Test & Calibration | QC Testing for Vaccines |
| NITS, BIS | 10.06.12- 17.06.12 | Laboratory Quality Management System and Internal Audit as per IS/ISO/IEC 17025 | Continuous improvement of quality system in sterility laboratory |
| NIMHANS. Bangalore | 07.08.06- 19.08.06 | Quantification of Cell culture Rabies Vaccine by RFFIT technique | QC Testing for Rabies Vaccine |
| Bio Farma (Indonesia) | 05.02.05- 07.03.05 | QC.QA training in OPV and MMR Vaccine (JIPEC-JAPAN) | Advanced for QC/QA testing in OPV and MMR |

Details of Career Summary

24 Years

NATIONAL INSTITUTE OF BIOLOGICALS 1995 – Present

24 years

Regulatory functions: Quality Control evaluation of Biologicals (e.g. Vaccines Recombinant products and Blood Products)

Scientific experience in major areas in laboratories involved in Quality Control Testing of Biologicals Products:

- Viral Vaccines, Blood Grouping Reagents, Diagnostic Kits, Recombinants Products, Enzymes & Hormones

Preparation of Standard Operating Procedures for testing methodology of various Biological products as per Pharmacopoeia:

- QC testing of Polio Vaccine, Cell Culture Rabies Vaccine and Measles Mumps Rubella Vaccine.
- The parameters are Potency (In-Vivo & In-Vitro), Stability, Sterility (closed system), Abnormal Toxicity and Pyrogen Testing.
- Determination of Moisture contents (Karl Fischer)
- Preparation of tissue culture media / reagents.
- Maintenance of bacterial and viral Cell culture (e.g. Hep-2c, Vero, MDBK & RK13), Cryopreservation and Revival.
- Calibration of In-house Reference Standard with International Reference.
- Calibration of laboratory equipment viz. Air flow-controlled equipment, Liquid Handling System
- Bio burden monitoring of clean rooms as per ISO.
- QC testing of Biologicals (viz. Vaccines, Human Albumin, Globulin, Factor VIII, IX) assays i.e. pH, SDS-PAGE, HPLC, Osmolarity, Solubility etc.
- Preparation of Reference panel for Kit Validation.
- Documentation as per cGMP and GLP

UNICEF & UNFPA, INDIA

1992 – 1995

03 years

(Integrated Parasite Control & Family Planning)

- Diagnostic surveillance of labour of tea garden for searching Ascaris, Strongyloides, Trichuris and Trematodes by Microbiological and Serological techniques.
- Involved in briefing in treatment specification to various parametric infected patients and their post treatment surveillance to check treatment success and failure.
- Statistical analysis to monitor the prevalence and incidence rate of various parasitic diseases.

Publications/Research Projects

1. Delhi – National Capital Region: Screening of Plasma For HIV-Antibodies, IOSR Journal of Pharmacy and Biological Sciences vol 15, Issue 1, Ser. III, Jan-Feb. 2020
2. Analysis of Market trend of Human Albumin and Coagulation factors in India. IJAR, No.5268, dated 19.09.2019
3. Evaluation of Mirasol pathogen reduction system by artificially contaminating platelet concentrates with Staphylococcus epidermidis: A pilot study from India. 2016 Asian Journal of Transfusion Science.
4. Determination of Minimum Inhibitory Concentration (MIC) of routinely used disinfectants against microflora isolated from clean rooms. International Journal of current Microbiology and Applied Sciences, (2016), 5(1), 334-341.
5. Stability of OPV at Different Temperature and its co-relation with VVM. Current Science Vol. 94, No.02 dt. 25.01.08