**ANALYTICAL**

* Aseptic Technique
* Bioburden, TOC, Conductivity, pH, osmolality, UV-Vis
* Mass spectrometry
* Micro-pipetting (single- and multi-channel)
* Buffer prep (ACN, Tween, Resin treatments)
* PCR
* Serial dilutions

**PROFESSIONAL EXPERIENCE**

**Viacyte** San Diego, CA – *Quality Control Associate* February 2018- current

* Environmental monitoring of ISO 8, 7, and 5 classified areas
* Equipment operation and calibration including performance maintenances of autoclaves, refrigerators
* GMP raw material release, retain, and issuances, including growth promotion media testing
* On-boarding raw material testing for osmometer including testing procedures, technical writing, and data exploration.
* Performed and executed IQ/IOQ for ISO 5, 7, and 8 areas.
* Documenting all measured data in Excel databases for trend analysis and quarterly submissions
* Execute and document QC related steps in production batch record during cell device manufacturing
* Tutella device mapping for facility, involving vendor correspondence for previous purchase orders and devices.
* Completed quality documents including LN2 inventory and logbook creation, deviations, change orders, issuances

**Agena Bioscience,** San Diego, CA – *Quality Analyst* January 2017- February 2018

* Lead inspector all incoming raw materials using 3-point inspection
* Participated in implementation of Lean 5S for Quality areas of Agena Warehouse
* Maintained vendor correspondence to obtain certifications of conformance and analysis for materials
* Tested matrix on Spectrochips using Mass ARRAY4 and Chip Prep Module mass spectrometer techniques
* Utilized and performed troubleshooting with biospotting equipment (BT600) to transfer analyte to test material
* Created various analytes using dilutions of oligonucleotides
* Determined purity and molecular weight of nucleic acids and nucleotides using UV-VIS equipment (Nanodrop 2000)
* Performed real-time and accelerated stability studies of Spectrochips and calibrants
* Analyzed mass spec data using Typer data software
* Authored a real-time stability protocol for 3-point calibrant.
* Maintained inventory and cleaning of QC laboratory
* Initiated, participated, and completed change order requests using Master Control document management system
* Assisted on return material authorization (RMA) to identify return material disposition
* Routinely performed micro-pipetting and visual inspection using microscope
* Created non-conformance material reports (NCMR) for failing materials handled by QC
* Compiled database entries for Sentry storage management

**Eurofins Lancaster Laboratories PSS,** Oceanside, CA – *Quality Control Scientist I* September 2016 – January 2017

\**This position ended because of QC contract termination at Gilead Sciences*

* Perform environmental monitoring sampling of viable, non-viable, and surface samples of an ISO classified GMP site
* Aseptically gown into cleanroom manufacturing areas and follow facility flow procedures for personnel and equipment
* Test samples using methods including Bioburden, Total Organic Carbon, and Conductivity
* Reconciling data for at-rest and in-operation stages of facility monitoring
* Assist in initiating and closing records within a Trackwise system to document lab discrepancies and deviations
* Maintain and ensure sample chain of custody using a LabWare LIMS system
* Utilized various software programs such as: LabWare LIMS, DataPro 900, DeltaV,
* Performed calibrations for laboratory equipment such as pipette, balances, conductivity, and pH meter.

**COOK Pharmica, LLC,** Bloomington, IN -QC Microbiologist January 2015- January 2016

\**This position ended because I relocated to San Diego, CA for wife to pursue law school and career*

* Performed environmental monitoring for static, routine, in-process, WFI and clean steam.
* Tested and processes samples for bioburden, conductivity, microbial water, biological indicators, and nitrate water
* Prepared daily controls from stock species bacteria
* Documented product testing data into batch record
* Operated LabWare LIMS and DeltaV
* Performed daily calibration for laboratory equipment such as pipette, balances, conductivity, and pH meter.

**ACADEMIC & FIELD**

**Indiana State University Bat Conservation Center,** Terre Haute, IN – Bat Technician October 2019

* Set-up capturing equipment including harp trap and holding station
* Prepared aseptic areas according to Missouri Dept Conservation Protocol
* Performed restraint using proper form
* Extracted blood and hair as well as collected fecal samples
* Examined bats for quality of health measures (wing condition, reproduction status, weight, parasite load)
* Performed plasma collection using centrifuge as well as dot blot and blood smears