

A motivated and detail oriented Bioreagent Formulator with 7+ years of experience in the scientific field seeking to utilize a strong background in chemistry and biology. Proven ability to problem-solve, optimize processes, ensure regulatory compliance, and troubleshoot complex formulations. Showcases an understanding of instrumental analysis, synthesis methods, qualitative and organic chemistry. Enthusiastic about tackling new challenges and fostering a positive and collaborative work environment

Education

Westminster University – Salt Lake City, UT
B.S. Chemistry: ACS Accredited – Graduated 2022

- 3.5 GPA; Dean's List all semesters
- Honors College member and certificate holder
- Lacrosse team member and scholarship holder

Relevant Courses

Instrumental Analysis/ Qualitative Chemistry

Developing and executing quantitative techniques to ensure precise results, and knowledge of multiple instruments* and corresponding sample preparation, and analysis techniques

Biochemistry/ Organic Chemistry/ Medicinal Chemistry

Experimental techniques and corresponding data interpretation of; distillation, column chromatography, gel filtration, NMR, fractal distillation, TLC plates, and Liquid/Liquid extractions

Instrumentation Knowledge*

Chromatography (HPLC, LC-MS GC-MS), bomb calorimetry, mass spectroscopy, flame atomic absorption, IC-PMS, liquid chromatography, voltammetry, UB/VIS, FTIR

Experience

Bioreagent Formulator I and II | 2022 to Current

BioMérieux- Salt Lake City, UT

- Successfully formulated large batch (104+ Liter) bioreagent products exceeding quality standards, ensuring cGMP and SOP compliance
- Ensured products were within quality standard via quantitative analytical techniques such as titration and refractive index
- Troubleshooted complex functional testing, process material, and formulation processes, contributing to improved efficiency and yield
- Leveraged expertise in PCR, RT-PCR, and fluorescence techniques to optimize resource utilization
- Developed and implemented training programs, empowering team members to effectively execute new processes
- Reduced costs through optimization of raw material usage and streamlined production workflows
- Compliance training in chemical safety, hazardous materials, and information security

Professors Assistant; Organic, General Chemistry, Biology | 2019-2022

Westminster University – Salt Lake City, UT

- Enhanced student learning for 100+ students by designing and preparing engaging lab experiments aligned with curriculum
- Demonstrated leadership and collaboration by working closely with faculty and contributing to projects and initiatives
- Juggled multiple tasks effectively, delivering high-quality work in a timely fashion
- Provided academic support through tutoring, grading, and curriculum development

Assistant Veterinary Technician | 2017-2019

Parrish Creek Veterinary Clinic -Centerville, UT

- Maintained accurate medical records and interpreted lab results for diverse animal species
- Safely handled and restrained animals while adhering to established protocols
- Monitored anesthesia, post-surgical recovery, and administered medications under veterinary supervision
- Delivered exceptional customer service through phone and in-person interactions, fostering positive client relationships

Skills

Chemical Synthesis
Research
Hazardous materials handling
Data analysis

Microsoft Office
Method Development
Leadership
Multitasking

Attention to detail
Work Ethic
Problem Solving
Work Ethic