

Position: Laboratory Microbiology Technician
Location: Little Falls, MN
Date of Post: April 2019

Company overview

Green Biologics is a bio-based specialty chemicals company focused on uniting microbiology and chemistry to create breakthrough sustainable ingredients used to produce high-performing consumer goods and industrial products. Our manufacturing facility for production of our renewable n-butanol and acetone is in Little Falls, MN. We also have labs in Richmond, VA (applications and product development) and the United Kingdom (Headquarters and microbiology/R&D); as well as a sales/marketing hub focused on commercial development in Medina, OH.

Job description

The Lab Technician will grow and analyze Clostridium sp. fermentations designed to produce bio-butanol and bio acetone. This position works on a rotating shift schedule

Key roles and responsibilities

- Laboratory Work – 80%
 - Set up and monitor lab activities.
 - Works assigned 12-hour swing shift including weekends and holidays. Will be required to work overtime.
 - Performs laboratory tests in order to produce reliable and precise data to support fermentation.
 - Monitors, samples and tests large scale and small-scale fermentations.
 - Accurately measures each component and electronically documents on required template.
 - Enters results into computer database.
 - Prepares growth medium and buffers as needed.
- Safety and Maintenance – 20%
 - Ensures lab is up to code and mandated standards.
 - Constructs, maintains and operates standard laboratory equipment.
 - Tests lab equipment to ensure all is functioning properly.
 - Troubleshoots lab equipment when able.
 - Writes up trouble/maintenance tickets as appropriate.
 - Keeps lab secure, safe and clean.
 - Prepares required lab reports, charts and graphs following designated protocol.
 - Ensures the Laboratory is well stocked and resourced.
 - Adheres and abides by all safety checks and regulations.

Essential Qualifications

- High School diploma or equivalent
- Preferred: 2- or 4-year degree in Chemistry, Applied Science, Microbiology, Biology or similar field
- Strong organizational skills to manage and prioritize tasks
- Critical thinking and troubleshooting
- Knowledge of microbiology lab techniques and math skills

- Ability to follow written Standard Operating Procedures (SOPs)
- Ability to lift 50 pounds. May need to crouch, crawl, climb a ladder or walk up stairs for sample collection.
- Work environment may be hot, cold, loud, humid or slippery, and involve toxic or caustic chemicals.

Desired Qualifications:

- Experience working with microbiological cultures and use of aseptic techniques
- Pilot or production fermentation experience
- HPLC and GC experience

