

Blacksburg Location
2001 Kraft Drive
Blacksburg, VA 24060



Radford Location
20 Corporate Drive
Radford, VA 24141

**Job Title: Biological Materials Production Team Leader,
Microbial Culturing and Protein Purification
Effective: 11/07/2023**

Company Overview

TECHLAB®, Inc. was founded in 1989 by scientists from the Virginia Tech Anaerobe Lab, one of the only three institutions in the world dedicated to the study of anaerobic organisms. In the late 1970's and early 1980's, research headed by Dr. Tracy Wilkins began on *Clostridium difficile* and its toxins.

Today the company develops, manufactures and distributes intestinal diagnostics worldwide retaining an emphasis on science and collaborations with universities. Products are focused in the areas of intestinal inflammation, antibiotic associated diarrhea and parasitology. Research continues on markers of intestinal inflammation, the toxins of *Clostridium difficile*, amebiasis and vaccine development. TECHLAB®, Inc. has ISO 13485 certification along with FDA registration. For more information, visit www.techlab.com.

Job Summary

The job of Biological Materials Production Team Leader, Microbial Culturing and Protein Purification is to produce any raw materials used in TechLab kits. Additional duties include, but are not limited to supervising BMP Scientists, BMP Associates, BMP Technicians, BMP Assistants and BMP Glassware Technicians. The Biological Materials Production Team Leader adheres to standard operating procedures, master batch records, and other regulatory documents. Biological Materials Production Team Leader will report to the Biological Materials Production Manager.

Work Activities

- Perform parasitic culturing: growth, maintenance, supernatant harvesting, and reactivity screening
- Carry out transformation and expression of recombinant proteins
- Perform purification of antibody, recombinant antigens and native toxins
- Conduct annual validations on equipment
- Conduct investigation for non-conformances and defects
- Perform peer review on completed batch records and other documents
- Troubleshoot and recommend improvements to existing protocols
- Write new standard operating procedures and master batch records and initiate change to the existing documents
- Oversee daily activities supporting biological materials production including but not limited to buffer and media preparation
- Assist BMP personnel with daily work and provide scientific guidance
- Work on tasks set by Biological Materials Production Manager
- Supervise BMP Scientists, BMP Associates, BMP Technicians, BMP Assistants and BMP Glassware Technicians

Tools and Equipment Used

GE AKTA Protein Purification Systems
Microsoft Office Suite
Basic Lab Equipment
Hand held calculators

Job Context

TechLab® maintains a climate controlled environment for the job of Biological Materials Production Team Leader. The Biological Materials Production Team Leader can expect to work with human pathogens. An employee in this position must be able to lift and walk with materials upwards of 50 lbs. A typical workday is Monday through Friday 8:00 to 4:30 or 8:30 to 5:00. Overtime is occasionally necessary with or without advance notice.

Minimum Qualifications

B.S in Life Sciences plus 3 years of relevant experience, or M.S in life sciences plus 1 year of experience.

Preferred Qualifications

1+ year(s) of previous supervisory experience.