

Blacksburg Location  
2001 Kraft Drive  
Blacksburg, VA 24060



Radford Location  
20 Corporate Drive  
Radford, VA 24141

**Job Title: Biological Materials Production Technician 1**  
**Effective: 08.13.2024**

**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 is poised for high growth through private equity funding and 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](http://www.techlab.com).

**Job Summary**

The job of Biological Materials Production Technician 1 is to produce raw materials used in TechLab kits. Biological Materials Production Technician 1 adheres to standard operating procedures, master batch records, and other regulatory documents. Biological Materials Production Technician 1 will report to either the Biological Materials Production Manager, Biological Materials Production Team Leader – Conjugation and Inventory Control, Biological Materials Production Team Leader – Microbial Culturing and Protein Purification, or the Technology Transfer Team Leader.

**Work Activities**

- Perform basic microbiology procedures, cell culture, and gram staining
- Growth and maintenance of parasite organism culture
- Screen biological materials for reactivity
- Purify antibodies using various chromatography techniques
- Conduct regular calibrations and validations on equipment
- Receive and maintain the chemical inventory
- Make buffers, culture media and other reagents
- Clean and sterilize laboratory glassware
- Perform rehydration and dispensing of raw materials
- Conduct investigations for non-conformances and defects
- Perform peer review on completed batch records and other documents
- Work on tasks set by Biological Materials Production Team Leader and Biological Materials Production Manager

**Tools and Equipment Used**

GE AKTA Protein Purification Systems

General Laboratory Equipment

Gravity Oven

Autoclave

Microsoft Office Suit

Hand held calculators

**Job Context**

TechLab maintains a climate controlled environment for the job of Biological Materials Production Technician 1. The Biological Materials Production Technician 1 can expect to work with human pathogens. An employee in this position must be able to lift upwards of 50 lbs. A typical week 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.A. or B.S. in life sciences, or equivalent experience.
- Associates Degree with chromatography and/or protein purification experience or coursework.