ImmuCell®

POSITION DESCRIPTION

DEPARTMENT: Operations - Vaccine Manufacturing

JOB TITLE: Vaccine Technical Specialist

REPORTS TO: Vaccine Manufacturing Manager

PURPOSE: This full-time salaried position is responsible for executing, troubleshooting, and optimizing cell culture-based manufacturing processes supporting the production of antigens used in the First Defense® product line. The Vaccine Technical Specialist applies hands-on technical expertise to ensure consistent manufacturing performance, product quality, and compliance with cGMP requirements.

First Defense® Product Line: USDA-licensed biologics and functional feed ingredients designed to prevent neonatal calf scours by providing immediate, targeted immunity through hyperimmunized bovine colostral antibodies.

LOCATION: Portland, Maine

IDEAL CANDIDATE: The ideal candidate is an experienced, technically proficient individual with hands-on experience in cell culture and viral propagation within a biotechnology or related laboratory environment. They demonstrate strong problem-solving skills and the ability to independently execute and troubleshoot manufacturing processes. They are detail oriented, maintain accurate documentation, and recognize when process conditions or unexpected results require investigation or escalation. The candidate works effectively both independently and collaboratively and is committed to safety, product quality, and continuous improvement.

RESPONSIBILITIES:

- Execute, troubleshoot, and continuously improve cell culture-based manufacturing processes in a cGMP regulated environment.
- Perform cell culture operations, including cell expansion, maintenance, infection, harvest, downstream purification, and process monitoring.
- Support viral propagation and antigen production utilizing mammalian and insect cell culture systems.
- Monitor manufacturing processes, evaluate process data, and identify unexpected results or conditions requiring investigation.
- Participate in manufacturing investigations, root cause analysis, and implementation of corrective and preventive actions (CAPAs), as appropriate.
- Execute manufacturing processes in accordance with approved SOPs, batch records, and applicable cGMP requirements.
- Complete manufacturing documentation accurately, legibly, and contemporaneously.
- Maintain aseptic technique while performing operations within biosafety cabinets and controlled laboratory environments.
- Perform equipment preparation, cleaning, and routine maintenance to ensure manufacturing equipment and suites remain operational and ready for use.
- Collaborate with cross functional teams to support production schedules, resolve technical challenges, and achieve departmental goals.
- Provide technical guidance and training to manufacturing associates to support consistent execution of manufacturing processes and adherence to established procedures.

JOB REQUIREMENTS:

- Bachelor's degree in biology, microbiology, biotechnology, biochemistry, cell biology, or a related scientific discipline.
- 2–5 years of hands-on cell culture experience in an academic, biotechnology, pharmaceutical, or manufacturing environment.
- Experience working in a cGMP-regulated biotechnology, pharmaceutical, or biologics manufacturing environment.
- Demonstrated proficiency in aseptic technique and laboratory practices.
- Strong technical troubleshooting, problem-solving, and analytical skills.
- Ability to independently execute established procedures and recognize when process conditions require investigation or escalation.
- Experience managing multiple concurrent activities in a fast-paced environment.
- Strong written and verbal communication skills.
- Ability to accurately document technical activities and manufacturing data.
- Ability to work Monday through Friday with occasional weekend/holiday work as needed.

PREFERRED, BUT NOT REQUIRED:

- Experience with viral culture, viral propagation, vaccine manufacturing, or viral vector production.
- Experience participating in manufacturing investigations, root cause analysis, or process improvement initiatives.

COMPENSATION: ImmuCell will offer a competitive compensation package and a comprehensive benefits program, including 401(k).