

Job Description

Job Title: Downstream Process Technician

Purpose and Scope of Position

The Downstream Process Technician carries out all protocols related to the purification of the protein therapeutic, from lysis of cells through column purification (chromatography). The Downstream Process Technician will provide protein samples at various points throughout the purification process and provide these to the QC Technician for testing. The Downstream Process Technician will draft and review the batch record for the protein therapeutic.

Duties and Responsibilities

- Responsible for chromatography purification of the protein product
- Properly disinfect and stage materials in production room prior to purification
- Assist in drafting and reviewing production batch records.
- Complete all required documentation in an accurate and timely manner.
- Communicate with team members in a timely manner.
- Adhere to safe working practices.
- Identify, escalate, and report deviations.

Vocabulary

QC - Quality Control - You will learn about what quality control is from the Quality Control Technician job description and gain a better understanding as your team works through the biomanufacturing kit curriculum

Protein Therapeutic – The protein you are trying to purify. A protein that will be used as a medicine/drug. Also known as a biologic.

Lysis – The process of breaking cells apart.

Chromatography - A laboratory technique for the separation of a mixture. The mixture is dissolved in a fluid called the mobile phase, which carries it through a system on which is fixed a material called the stationary phase.

Batch Record - A document that provides the complete manufacturing history of a pharmaceutical product.

Deviations – Results that are incorrect or unexpected that occur during the biomanufacturing process.

Escalate – Report to a higher authority.