

## Job Description

Job Title: Quality Control Technician

### Purpose and Scope of Position

Quality Control Technicians work in the lab, testing the cells and protein therapeutics during the biomanufacturing process to ensure they meet established criteria (specifications), so the final product is safe to release for sale or distribution.

The QC Technician is responsible for testing raw materials, in-process materials and finished product. During the upstream process, the QC Technician will conduct the required tests on the cells producing the protein therapeutic to determine whether or not they meet the established specifications. During the downstream process, the QC Technician will conduct the required tests on the protein therapeutic.

### Duties and Responsibilities

- Test LB broth to confirm whether or not it is sterile.
- Perform required tests on the bacterial cells that are producing the protein therapeutic. This may include graphing cell viability using the spectrophotometer, and monitoring the production of the protein therapeutic by visual inspection for fluorescence.
- Test the concentration of the purified protein therapeutic using the spectrophotometer.
- Complete all required documentation in an accurate and timely manner.
- Communicate with team members in a timely manner.
- Adhere to safe working practices.

### Vocabulary

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

**Documentation** – This term refers to all documents that record information about the biomanufacturing process. This includes: employee training, batch records, product testing etc.

**Spectrophotometer** – An analytical instrument used to measure the amount of light absorbed (or transmitted) as it passes through a sample.

**Sterile** – Does not contain live microorganisms (bacteria, viruses, fungi).