

Job Title: Manufacturing Chemist I, Biochemical Manufacturing
Reports to: Manager, Biochemical Manufacturing & Formulations

Position Summary: A manufacturing laboratory position in an ISO certified environment supporting Pierce's biochemical products and antibody line. The associate should have exposure and understanding through either reading or preferably hands on experience in such biochemical lab techniques as listed below:

- Protein isolation and purification
- Protein expression in bacterial systems (10-50 liter scale or larger)
- Down stream purifications from fermentation processes
- Large scale column chromatography (size exclusion, ion exchange, affinity)
- FPLC experience helpful
- Experience with surface modifications of base chromatographic resins
- Protein modification (biotinylations, cross linking, conjugations)
- Experience with lyophilization of proteins
- Aseptic handling technique / clean room experience
- Antibody purification (serums, ascites, tissue culture fluids) / modification experience
- Experience in isolating cellular and tissue lysates, and sub cellular extractions
- Western blot development / troubleshooting experience
- Fluorescent (NHS ester) labeling techniques
- Analytical techniques such as protein / enzyme assays, SDS-PAGE, Western blots, UV / VIS Spectrophotometry experience
- Avidin / Biotin systems with overall methods development
- Large scale buffer preparations
- Understanding of molar theory
- Experience in organic chemistry is helpful
- Autoclave experience
- Set up / take down of labware
- Understand safe lab practices, and GLP concept
- Maintain detailed documentation in support of ISO requirements
- Ability to lift 50 pounds

Minimum Requirements / Qualifications: Minimum of a Bachelors of Science degree in a Biochemical / Biological sciences, Chemistry, or Life science emphasis. Masters degree preferred. 0 to 2 years experience. Ability to demonstrate general hands on lab skills as would be acquired in a 4 year Bachelors level science degree. Able to demonstrate analytical thought process and understand experimental design when explained. It is desired that the associate have prior experience in a manufacturing roll, preferably focused on protein production / purification / downstream modifications. Experience in immunology is a plus. A solid understanding relevant to corporate goals, objectives and strategies as well as a commitment to a team spirit is a must.

The above statements are intended to describe the general nature and level of work being performed by people assigned to this job. They are not an exhaustive list of all of the duties and responsibilities associated with it.