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 (biotinylation, 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.