

Job Title: Laboratory Technician
Department: Product Development
Reports To: System Development Group Manager

GENERAL DESCRIPTION

The Laboratory Technician is responsible for the applied research of assay chemistries, and development of new chemistries applicable to multiplexed chemiluminescent (and fluorescent) detection systems. The position requires knowledge of assay binding chemistries, organic dyes, substrates, chemiluminescent and fluorescence reporter chemistries, and the functionalization of various ligands on a variety of substrates. This is an entry level position.

REQUIREMENTS

Education:

- BS in Biology or Biochemistry

Skills and Experience Required:

- Strong analytical and communication skills
- Solid biology laboratory skills including pipetting, serial dilutions, centrifuging, measuring, weighing, mixing, preparation of microtiter plates, microscopy, and other common instrumentation.
- Knowledge of chemiluminescent reporter chemistries and fluorescence reporter chemistries
- Experience investigating biological assays (e.g. ELISA, PCR or other formats).
- Familiarity with safe laboratory practices.
- Knowledge of binding chemistries, Immuno-capture methods, and analyte extraction methods from clinical samples.

Essential Duties and Responsibilities

Responsibilities:

- Research and development of multiplexed assay chemistries.
- Construct the design of laboratory experiments.
- Perform experimental testing and data analysis.
- Development of assay chemistries.
- Research of chemiluminescent probe chemistries.
- Research of fluorescence probe chemistries.
- Development of prototype assay processing and assay analysis equipment.
- Modeling and data analysis of multiplexed assay results.
- Contribute to the creation of innovative solutions.
- Assist with the maintenance, cleanliness and safety of the laboratory.
- Interface and work effectively with multiple interdisciplinary departments.

Working Conditions:

- Work is normally performed in a typical office or lab work environment.
- Possible exposure to mechanical, biologic and chemical hazards.
- Frequent use of personal computer, copiers, printers, and telephones.
- Frequent standing, walking, climbing stairs, sitting, listening, and talking.

- Frequent work under stress, as a team member, and in direct contact with others.
- Infrequent lifting of up to 25 lbs.