

JOB DESCRIPTION

Position: Research Engineer I
Department: Research & Development
Reports To: Senior Director of Research & Development
Status: Salaried
Level: Exempt

POSITION SUMMARY:

The Research Engineer I position is primary responsible product formulation, process development, and raw material evaluation for the application of hydrophilic and other coatings for use on medical devices. Performs characterization of coating performance via analytical testing, interpretation of results. Reporting under the supervision of the Research & Development scientists and engineers to support company innovation initiative for next generation technologies in medical device coating applications.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Find creative ways to apply coatings on challenging and unusual applications.
- Selects, prepares, and formulates new coating solutions according to desired specifications.
- Applies coatings on medical devices in accordance with specification and customer requirements.
- Key member of technical efforts to troubleshoot issues that may arise in process development and scale-up. Ability to investigate a problem, formulate plan to find a solution, and execute on appropriate time schedule.
- Operates and maintains processing equipment including, but not limited coatings machine and friction tester. Provides input on fixture and equipment improvements.
- Keeps work area clean and organized, including utilization of appropriate standards.
- Writes coating procedures and/or other work instructions
- Perform analytical testing on coated devices to characterize uniformity and performance of coatings.
- Writes reports to document the finding.
- Document hazard analyses for new raw materials and chemical processes.

- Evaluation of external materials technologies and participate in technology transfer for in-licensed technologies.
- Collaborate with a multi-faceted, global team in the development of novel coating systems for key markets.
- Work with multiple functions within the organization to drive novel coating systems to commercialization.
- Develop intellectual property protection for key innovations.

QUALIFICATIONS & REQUIREMENTS:

- B.S. in Chemical Engineering, Materials Science & Engineering or any other related engineering discipline with preferably 1-3 years industrial experience in a laboratory setting, medical devices or coatings.
- Ability to prioritize and efficiently complete tasks with consistency and accuracy, often under pressure and/or short deadlines.
- Detail oriented, highly organized, capable of completing high quality work
- Good level of analytical and laboratory skills.
- Excellent written and verbal communication skills related to research results. Ensure all interactions are consistent with company values and treats others with dignity and respect.
- Good understanding of chemical process hazards.

The conditions herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

Physical Requirements

Physical Demands-Stooping, turning, bending, squatting, kneeling and the ability to lift up to 50 pounds; constant/repetitive standing; requires normal, correctable vision and hearing, and the ability to accurately discern color as necessary to perform job functions.

Working Conditions

Exposure to hazardous chemicals and must wear required personal protective equipment while demonstrating safe working practices.

Disclaimer

This job description is not intended to be construed as an exhaustive list of responsibilities, duties, or skills required for the position. This position may be changed or assume additional duties at any time. The employee may be requested to perform different or additional duties as assigned.