

Position: Electrical Engineer

Daktari Diagnostics, Inc. is a Boston-based company developing innovative diagnostic tests for global health conditions. The core technology combines microfluidics with electrochemical sensing. Our initial product, a point-of-care CD4 testing system for use in HIV disease staging worldwide, will provide a CD4 cell count result in less than 10 minutes from a finger stick of blood, anywhere in the world. This handheld system includes a disposable assay cartridge comprised of molded plastics, microfluidics, integrated sensors, and chemistry, and a low-cost electromechanical instrument.

The successful candidate will work as part of a growing development team. Emphasis will be placed on flexibility and ability to work independently as well as make significant contributions to multi-site collaborative efforts.

Responsibilities include, but are not limited to:

- Design and develop electrical detection methods for microfluidic diagnostics products
- Develop software tools to support data gathering and analysis
- Evaluate system performance by designing, executing, and documenting multidimensional experiment plans
- Support design verification and validation activities
- Prepare technical protocols, reports, work instructions, and procedures
- Perform all duties in compliance with appropriate quality system regulations and GLP standards
- Support data collection and documentation for submission to regulatory agencies

Requirements:

- Bachelor's degree in Electrical Engineering
- Excellent electrical engineering and design skills, including proficiency with engineering software tools for modeling and designing analog and digital systems
- 8 years or more of experience in commercial development and/or validation, with at least 5 years in a medical products company pursuing FDA or related product approvals
- Experience with development of microfluidics-based systems strongly preferred
- Experience in design control and QSR practices preferred
- Demonstrated successful project management skills and the ability to contribute to strategic decisions, while driving detailed implementation plans
- Ability to work independently in a start-up environment

Salary commensurate with experience; potential equity participation.

Daktari Diagnostics is a dynamic, start-up environment committed to bringing the highest quality medical diagnostics to everyone, everywhere.

Please contact work@daktaridx.com for more information. Please reference code **RD9**.