

**Company Name:** QVELLA INC

**Brief description of the company (2 or 3 lines)**

Qvella is a molecular diagnostics company with the goal of dramatically reducing time to results in microbiology. We utilize a proprietary integrated and closed device (FAST) designed to fully automate the isolation, concentration, lysis, as well as amplification and detection of nucleic acids from pathogens in a whole blood sample. We are focusing on detecting and identifying micro-organisms in infected whole blood samples in our first product.

**Approximately how many employees (FTE)** 60      **When were you founded (YYYY)** 2009

**Stage (early-development/late development/commercial)**      late development/clinical

**Job Title**      Test Engineer - Permanent Position

**Description of the position (responsibilities, goals)**

**Position Summary**

Work within a multi-disciplinary team to develop diagnostic medical devices and instruments, and provide technical engineering support during design development, prototype testing and verification phases of product development.

**Duties and Responsibilities:**

- Plan and execute testing activities for electro-mechanical and fluidic devices.
- Design test plans and develop test cases to support various aspects of instrument and device design development and verification.
- Design mechanical and electronic test jigs using CAD modelling or sketching techniques
- Coordinate purchasing of parts and components and building of test jigs
- Participate in the production of prototype and first production builds with a focus on test requirements
- Execute test plans and analyse test data
- Assist in determining the causes of failures, give suggestions for design improvements and enhancements
- Provide feedback to other members of the design and development team
- Provide timely written test reports

### Required qualifications and experience for the candidate

**Education:**

- Bachelor of Applied Science or Technology Degree in Mechanical Engineering or equivalent

**Experience/Knowledge/Skills**

Background in electro-mechanical engineering systems, with exposure to fluidics, thermal transfer, and optical systems

- Hands-on experience in various aspects of prototype device testing and the development of test plans and requirements
- Working familiarity with common laboratory instruments e.g. data acquisition devices, power supplies, multimeter, oscilloscope, etc. preferred
- Working knowledge of SolidWorks, LabVIEW preferred.
- Must possess good communication and documentation skills
- Superior problem-solving skills, strong initiative

**Date when position would be available (MMM-YYYY):**    **ASAP**

**Location of the position (city):**    **Richmond Hill**

**If you are interested please contact**

Sean Peel - seanpeel@obio.ca