

# MEDICAL DEVICES

Quest Product Development has over 20 years of experience helping organizations in the Medical Device industry. Our experience with Class I, II, and III devices has included:

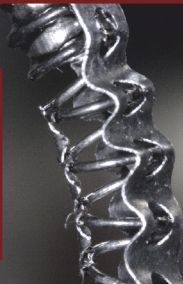
**Disposables, MicroFlex Tools,  
RF Amplifier for “Welding” Tissue,  
Dental Equipment, Pulse Oximetry,  
Defibrillators, EKG, EEG,  
& Topographic Imaging**

Quest has worked on a number of Class II products and SBIR funded Cardiac research programs. These include:

**Defibrillators,  
Coordinating of Mechanical  
Intervention with the EKG Signal,  
& EKG Monitors Electronics**

## Critical Elements in Design and Development

- › Amplification of high impedance signals
- › EKG and EEG Design
- › High SNR differential amplifiers
- › Display of real-time signals
- › Spectral analysis and extraction of specific signals for real-time decision making
- › Embedded control application
- › Device software and RTOS integration



## OUR MARKET

In Vitro Diagnostic,  
Drug Delivery Systems,  
Medical Device Development,  
Biotechnology Instrumentation,  
Analytical Instrumentation, &  
Therapeutic Devices

## OUR SERVICES

Project Planning,  
System Architecture,  
Program Management,  
Risk Analysis,  
Rapid Design and Development,  
Industrial Design,  
Optical/Imaging, Electrical,  
Software, and Mechanical, &  
Validation and Verification

Process Development,  
Technology Transfer,  
Design For Manufacturability,  
Transitional Manufacturing,  
Manufacturing Sustaining  
Engineering, &  
IQ/OQ and PQ Processes

Guidance on  
Regulatory Compliance &  
Quality System Regulations



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