



Driving medical device innovation and development

Our laboratories offer comprehensive testing for materials, electronics and drugs for medical offerings

Eurofins | EAG Laboratories scientists solve difficult medical device problems, advance product development, and provide valuable data for successful PMA and 510(k) submissions. By utilizing our unique combination of expertise in materials, electronics and life sciences, Eurofins | EAG Laboratories empowers medical device companies to create new ways to repair and heal the body as well as to improve patient quality of life.

Our FDA-registered, ISO 17025-certified, and cGMP-compliant laboratories offer a comprehensive suite of materials, electronic and drug product testing support for medical device and IVD (in vitro diagnostic) companies.

Surface Analysis

Eurofins | EAG Laboratories scientists are experts in surface analysis, including the factors that affect biocompatibility,

corrosion-resistance, crack-resistance, adhesion and bonding ability. Our laboratories investigate and understand the issues associated with surface modifications, including how surfaces may change and degrade with use and time.

Failure Analysis

Eurofins | EAG Laboratories scientists have extensive experience investigating medical device failures in metallic, organic, composite, and electronic materials or components. Our failure analysis experts determine the root cause so solutions can be developed quickly, preventing further failures and reducing downtime. We have special expertise in solving metallurgical failures due to corrosion.

CMC analytical support

Comprehensive analytical support and

quality control testing for devices and combination products under cGMP include analytical method development and validation, nebulization testing, raw material and component testing, drug-device compatibility testing, full stability testing and post-marketing programs, reference standard management, QC release testing and full extractables and leachables programs for products and product packaging.

Electronics testing

Our engineering support services include FA analysis and electronic troubleshooting, fault localization and root cause determination. Electrostatic discharge (ESD) testing ensures that medical device chips will withstand electrostatic discharge events that may occur during handling and assembly.

Materials characterization

When you have questions about your material's chemistry, Eurofins | EAG Laboratories provides comprehensive

data for FDA submissions, innovation and product improvement. From polymers to alloys to ceramics, we understand how these materials impact safety and effectiveness. Our services include materials characterization per ISO 10993, Part 18 in support of biocompatibility submissions, as well as manufacturing cleaning validations. We also support process validation of materials through evaluations of surfaces, corrosion and leaching studies, whether it is from high concern nickel-rich alloys, titanium, or chromium-based alloys.

Consulting & Litigation Support

Eurofins | EAG Laboratories scientists and engineers provide scientific expertise, technical consulting, data interpretation and expert testimony and analytical support in product liability, intellectual property and other cases. Our experts have played key roles in cases involving surgical instruments, guidewires, hip and spinal implants and other medical implants/devices.

