

Experts in Medical Device Testing

TÜV SÜD is a full service provider for medical device manufacturers offering testing with a strong focus on cardiovascular, orthopedics, and active medical implants. "How it's Tested matters" is at the core of our testing philosophy. We believe that the quality of testing, as well as the unique design and setup tailored to each specific product, play a crucial role in the overall success of your medical device.

By applying our rigorous and data-driven testing methodologies, we can ensure that your device performs optimally through our testing services, leading to improved patient outcomes and increased market adoption.



Precision with Purpose: provide testing services that ensure accurate and reliable results, achieving precision in testing processes that are safe, effective, and reliable in their intended use.



How it's Tested: ensure the rigorous testing processes devices undergo in such a way that they meet international regulatory standards.



Smarter Devices: incorporate technologies such as sensors, wireless communication, and AI to collect and transmit patient data and provide better outcome. This step provides services to ensure that these devices meet user needs and are safe and effective.



Future of Healthcare: provide testing services for innovative products that meet emerging trends and needs in the industry.

Recognizable Quality Assurance



By choosing TÜV SÜD, a dedicated team of global experts is committed to working with you to mitigate risks and access global markets through a comprehensive portfolio of testing.

TÜV SÜD provides global recognition, backed by trusted people and products.

Experts in testing services for manufacturers and suppliers of medical devices.

Start your journey today

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TÜV SÜD Labs Healthcare
and Medical Device Services

Rigorous Testing Services for Medical Devices

**Add Value.
Inspire Trust.**

Inspiring Trust in New Medical Devices

Medical device testing is a critical step in the process of transforming an innovative design into a reliable and marketable product. The path to market approval can be complex, and there are many considerations for device manufacturers when developing new products such as:



Regulatory compliance: Medical devices must comply with stringent regulatory requirements, including testing, to ensure their safety and effectiveness.



Testing complexity: Medical devices can be complex, with multiple components and functions that require testing.



Variability in test results: Test results can vary depending on the test method, testing conditions, and variability in the device itself. Manufacturers must ensure that their devices are consistent in performance and meet regulatory requirements.



Testing in real-world conditions: Medical devices must perform effectively in real-world conditions, which can be challenging to replicate in laboratory testing.



Time-to-market: Manufacturers must balance the need for thorough testing with the desire to bring their devices to market quickly. Shortening the time-to-market can be challenging while maintaining regulatory compliance and ensuring device safety and effectiveness.



Cost: Testing can be expensive, especially when testing for multiple parameters or when multiple rounds of testing are required.



Data Management: Managing and analyzing large amounts of data generated from testing can be complex and time-consuming.

Our Facilities and Services

At TÜV SÜD, we combine expert medical product testing knowledge with a global network of internationally accredited laboratories and facilities, providing you with a one-stop solution for all your testing needs.

Full Suite of Testing Services

Microbiology testing

TÜV SÜD has experience in a variety of microbiological tests, including safety assurance (product sterility), bioburden, BI sterility, as well as environmental monitoring and reusable device testing.

Biocompatibility testing

TÜV SÜD offers full biocompatibility testing services including cytotoxicity, sensitization, irritation, acute systemic toxicity, material-mediated pyrogen, genotoxicity, subacute and subchronic toxicity, hemocompatibility, and implantation tests.

Chemical characterization

Services to include the identification and quantification of chemical substances potentially exposed in clinical settings using spectroscopy and chromatography based techniques.

Packaging testing

TÜV SÜD offers full testing packages to assess the integrity, physical strength, and microbial barrier properties of packaging materials used for medical devices.

State-of-the-art Medical Devices Testing Facility in New Brighton, MN



New 20,000 sq. ft. expansion to house microbiology, chemistry, biocompatibility and packaging testing.

Environmental testing

TÜV SÜD conducts testing to assess the ability of the packaging system to protect the medical devices under various environmental conditions, including temperature, humidity, shock and vibration.

Electrical Safety and Electromagnetic Compatibility testing

Our team of test engineers perform testing to assess the Electrical Safety and Electromagnetic Compatibility of active medical devices and other products.

MRI safety testing

We offer MRI safety testing for implantable medical devices including: RF heating and numerical simulation (F2182), Force (ASTM F2052, Torque (ASTM F2213) and Image Artifact (ASTM F2119).

Start your journey today

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