eurofins | Medical Device Testing

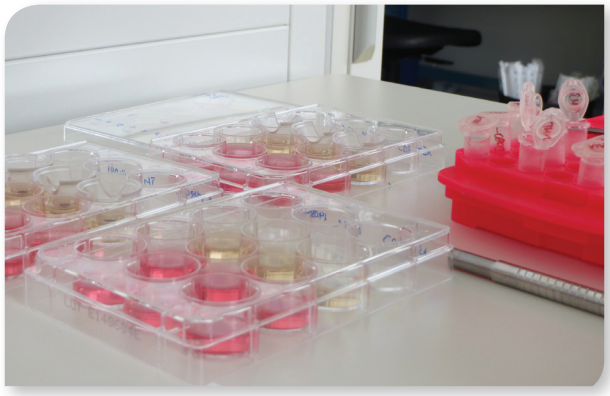
Alternative Toxicology Testing Services

Eurofins Medical Device Testing is committed to the advancement of animal welfare and encourages others to include human concern for animals as a core aspect of corporate social responsibility.

That is why Eurofins Medical Device Testing is a leader in safety testing without animals and is deeply committed to the principles of the 3 R's of Replacement, Reduction and Refinement.

Our evaluation methods incorporate a unique approach that lead to improved prediction of human results.

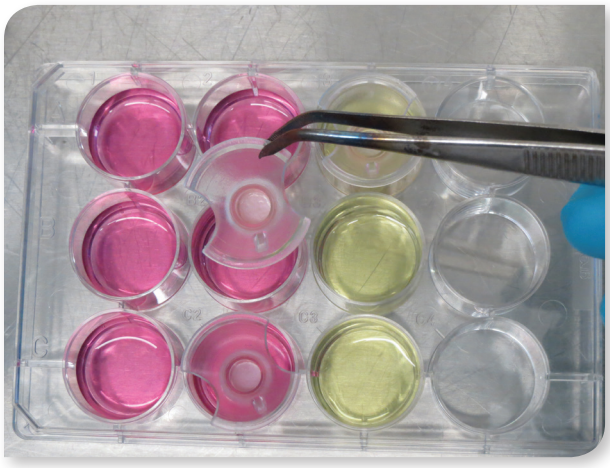
Our service portfolio includes methods for replacing the use of animals to evaluate acute systemic toxicity, skin and eye irritation and skin allergenicity and also reducing the use of animals for repeated-dose toxicity, carcinogenicity and reproductive toxicity.



Eurofins Medical Device Testing works closely with independent scientists and regulatory agencies to adopt methods to satisfy various regulations. We are proactive in the development and use of *in vitro* methods partnering researchers and clients in pre-validation and validation studies.

Choose Eurofins Medical Device Testing to help you:

- Test your device's safety without the use of animals
- Evaluate your device with improved prediction of human results
- Work closely with scientists and regulatory agencies to satisfy various regulations



Study Types for Screening Purpose:

***in silico* Safety Modeling**

- Structure activity relationship by computerized models (e.g. DEREK)

Eye Irritancy

- Bovine corneal opacity and permeability test (BCOP; OECD 437)

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Medical Device Testing

Skin Irritancy

- Reconstructed human skin equivalents (OECD 439)

Skin Sensitization

- *in vitro*: KeratinoSens (OECD 442 D)
- *in vitro*: Activity of dendritic cells – h-Clat

Local Tolerance

- Oral mucosal irritation using human reconstructed oral epithelium
- Vaginal epithelial irritation using human reconstructed vaginal epithelium
- Bladder epithelial irritation using human reconstructed bladder epithelium

Performance Testing

- Barrier efficacy test (human skin model)
- Lenitive efficacy test (human skin model)
- Wound healing efficacy (human skin model)
- Whitening efficacy (human skin model)

Medical Device Surface Modification

- Osteoblast Cell Line Proliferation Test
- Fribroblast Cell Line Proliferation Test