



# IMPLANTATION TESTS

The biocompatibility of medical devices or biomaterials that directly contact living tissue (e.g. sutures, surgical ligating clips, implantable devices, etc.) other than skin is evaluated via implant studies. These tests can assess medical devices that are intended to be implanted for either short- or long-term use in clinical settings. It is possible to test absorbable and non-absorbable materials using implantation procedures. The implant study should closely resemble the planned clinical use in order to offer a meaningful assessment of safety.

In implantation investigations, it is possible to evaluate the dynamics of biochemical exchange as well as cellular and immunologic reactions, particularly with the help of histopathology. The amount of information gleaned from these studies is significantly increased by histopathological study of implant sites. At CMDC Labs, we take the guess work out of whether implantation testing is the next step. With our proprietary in vitro tests, we can accurately describe the immune reaction, cellular reaction and predict with great accuracy any issues that may be encountered with implantation testing.

## Making the Unknown Known...



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