Joint Infection is serious.

Shouldn’t you be sure about the diagnosis?

Synovasure™
Joint Infection Diagnostic

Lab developed diagnostic test performed by Citrano Medical Laboratories

Promoted by:
Today's diagnostic methods are inadequate for your needs

- Surgeons are forced to make clinical decisions without a definitive diagnosis because of the limitations of today's tests.
- The potential for false negatives and false positives leaves you unsure about the correct course of action.

Without early detection and treatment PJI can have devastating consequences

- Revision, fusion, amputation, and death.
- Average cost for infected revision is $93K for THA and $75K for TKA.
- Estimated cost to US healthcare system is over $800M per year.

Synovasure diagnostic gives you a definitive infection diagnosis so you can focus on treatment

- Increased accuracy gives you fewer false positives, fewer false negatives, and fewer infected patients inadvertently brought to the OR for an “aseptic” revision.
- Early detection gives you the potential for retaining components and avoiding a 2-stage revision.

Synovasure diagnostic measures levels of alpha defensins in synovial fluid

- Alpha defensins are the body's natural antibiotics.
- Disrupt microbial cell membranes and facilitate the process of phagocytosis.
- Elevated if infection is present but normal in other causes of joint inflammation.
In a study of 45 patients with suspected PJI (22 septic and 23 aseptic) Synovasure diagnostic provided 100% sensitivity and specificity. A separate cohort of patients was analyzed to confirm that other inflammatory conditions (gout and osteoarthritis) in native joints did not lead to positive results.\(^8\)

**Synovasure** diagnostic correctly identified multiple culture negative infections that were not identified until the patient was in the OR for revision surgery (n=2).

**Synovasure** diagnostic correctly distinguished between inflammation caused by metal on metal debris and true infection (n=1).

Unparalleled accuracy...

24 hour results...

1 easy step...

Call today 888-981-8378
About the lab:
Citrano Medical Laboratories Inc. (CML), located in Towson, MD, is a subsidiary of CD Diagnostics Inc. CML is a CLIA certified, 39 year old business that provides comprehensive clinical laboratory testing to physicians, clinics and long term care facilities. The company's mission is “To provide the physician with accurate and reliable test results in a timely manner and with a personal component that is not available with the large national companies.” The company’s competitive advantage versus larger firms is its ability to provide same day results 6 days per week to its clients.

CML’s combination with CD Diagnostics creates an entity with both a strong R&D team than can develop Laboratory Developed Tests (LDTs), and a CLIA certified diagnostics laboratory in which these tests can be run.

Synovasure™ joint infection diagnostic was developed and its performance characteristics determined by CML. It has not been cleared or approved by the U.S. Food and Drug Administration.

Applications:
Synovasure™ joint infection diagnostic is intended to be used as an adjunct to current diagnostic methods in the diagnosis of peri-prosthetic joint infection (PJI). Its results should be interpreted along with other labs, patient history, and physical exam in order to arrive at a definitive diagnosis.

References:
3. Gallo, J et al; Culture and PCR analysis of joint fluid in the diagnosis of prosthetic joint infection. Medicine, 97–104.