

# KNOW NOW



There's a new, advanced diagnostic aid that helps orthopaedic surgeons identify the risk of periprosthetic joint infection (PJI) faster and more accurately. The Lyfstone Calprotectin test is easier to use than other diagnostic procedures and delivers reliable results in just 15 minutes.

#### **LYFSTONE: A NEW ADVANCEMENT IN DIAGNOSING PJI**

In a prosthetic joint, the first priority is to reliably rule out infection. The Lyfstone test measures the amount of calprotectin in synovial fluid. Elevated levels of calprotectin are proven indicators of both acute and chronic periprosthetic joint infection.

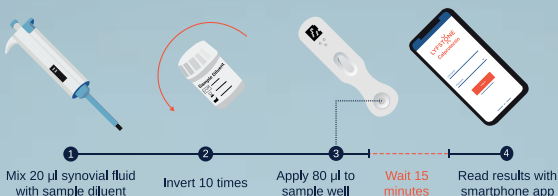
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## FAST AND EASY

To assess the risk of periprosthetic joint infection, a small amount of synovial fluid is subtracted from the patient's joints.

The Lyfstone test requires only 20  $\mu$ l and generates results in 15 minutes. The easy sample work-up allows implementation at any stage of care, from consulting to pre-op to per-op.



## CLEAR AND RELIABLE RISK INDICATORS

The test allows for clear and reliable categorization of patients based on the level of calprotectin found in synovial fluid.



- LOW risk of infection - CLP levels <14 mg/L
- MODERATE risk of infection - CLP levels 14-49 mg/L
- HIGH risk of infection - CLP levels  $\geq$ 50 mg/L

## CLINICALLY PROVEN

In a prospective clinical study of 123 patients at a leading US Hospital system using the MSIS-13 criteria as comparator, the Lyfstone Calprotectin test showed

excellent sensitivity (98.1%) and specificity (95.7%). The calprotectin test outperformed blood-based PJI diagnostic tests such as CRP and ESR, confirming its diagnostic utility.

**Source:** Diagnostic Utility of a Novel Point-of-Care Test of Calprotectin for Periprosthetic Joint Infection after Total Knee Arthroplasty: A Prospective Cohort Study. <https://clinicaltrials.gov/ct2/show/NCT03694925>

For more information about Calprotectin test contact [info@summit-medical.co.uk](mailto:info@summit-medical.co.uk)



[summit-medical.co.uk](http://summit-medical.co.uk)

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