

CALPROTECTIN

Effective Date: September 6, 2016

The Special Testing section of Beaumont Laboratory will commence offering testing for calprotectin on September 6, 2016. Calprotectin is an abundant cytosolic calcium binding protein present mainly in neutrophils. GI inflammation results in the accumulation and activation of neutrophils and subsequent release of calprotectin into stool.

Primary Clinical Utility of Fecal Calprotectin:

Help differentiate inflammatory bowel disease (IBD) from other functional gastrointestinal disorders, including irritable bowel syndrome (IBS).

- In contrast to other GI disorders, increases in fecal calprotectin is strongly associated with IBD. However, it is not diagnostic for IBD. Other disorders such as GI infections, diverticulitis and colorectal cancer, may also result in elevated calprotectin levels due to neutrophilic inflammation.

Interpretation of Fecal Calprotectin Test Results:

<u>Calprotectin (mcg/g)</u>	<u>Interpretation</u>	<u>Clinical Recommendation</u>
≤ 50	Normal	Monitor patient clinically. Endoscopy may not be necessary, particularly in the pediatric population.
51-120	Borderline	Repeat test in 4-6 weeks or additional studies to exclude/confirm IBD.
≥ 121	Abnormal	Supports the diagnosis of IBD. Further testing to determine the etiology of the GI inflammation is indicated.

Specimen Collection Instructions:

1. Collect random stool sample in a sterile container with no preservatives.
2. Transport specimen to Laboratory at room temperature for further processing.
 - Calprotectin testing will be performed twice per week on Monday and Thursday.

For additional information, access the Laboratory Test Directory at:

<http://beaumontlaboratory.com/test-lab-directory>

If you have questions, please contact Client Services (1-800-551-0488, option 5).

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