

# Actim<sup>®</sup> Calprotectin

## DETECT AND MONITOR INTESTINAL INFLAMMATION

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**Actim Calprotectin** is an easy-to-use rapid test for the diagnosis of intestinal inflammation associated with inflammatory bowel diseases (IBD), including Crohn's disease and ulcerative colitis. The test detects fecal calprotectin, which is a stable and sensitive indicator of IBD.

The prevalence of IBD is rapidly increasing in the Western world. Actim Calprotectin can quickly distinguish IBD from non-inflammatory conditions, such as irritable bowel syndrome (IBS), while avoiding uncomfortable and invasive examinations. Actim Calprotectin is also useful for monitoring disease activity over time, and evaluating patients' treatment responses.

The Actim Calprotectin test is user-friendly for both patients and healthcare professionals, offering hygienic detection of calprotectin levels. The test can be done simply on the spot, and it gives visually interpretable, semiquantitative results in just 10 minutes.

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# HOW **ACTIM CALPROTECTIN** WORKS

Actim Calprotectin is a rapid immunological dipstick test that is based on highly specific monoclonal antibodies detecting fecal **calprotectin**. The test kit contains all necessary materials for home sampling, and the one-step test protocol requires only 15 seconds of hands-on time. The results can be read from the test strip in just 10 minutes; the number of blue lines indicates the concentration range of calprotectin in feces.

Actim Calprotectin gives semiquantitative results by reporting calprotectin concentration in three ranges: <50, 50–200, and >200 µg/g. This helps to distinguish between patients without mucosal damage, those with an irritable bowel, and those with active inflammation.

## **HYGIENIC AND RELIABLE SAMPLE COLLECTION**

The innovative leak-proof sample tube allows hygienic sample collection – even at home. The sampling device automatically adjusts the amount of sample, ensuring that your test results are always consistent and reliable.

The whole test can be carried out without opening the tube cap. This guarantees clean and user-friendly testing. After sample collection, the sample tube can be stored at room temperature for up to one week, which enables taking multiple samples on various days.

## **CALPROTECTIN**

Fecal calprotectin is a sensitive marker of intestinal inflammation. It is an immunomodulatory and antimicrobial protein that is primarily secreted by neutrophils. Mucosal damage causes neutrophil degranulation, which leads to elevated calprotectin concentrations in the bowel and feces. Calprotectin is an extremely stable protein, and can be found in feces even after 7 days of secretion from the mucosal membrane.

## **ACTIM CALPROTECTIN: KEY FACTS**

- Reliable and immediate diagnosis of intestinal inflammation with calprotectin – a sensitive indicator for inflammatory bowel disease (IBD)
- Semiquantitative results by reporting calprotectin concentration in three ranges: <50, 50–200, and >200 µg/g
- Exceptionally hygienic and convenient sample collection
- Easy to use one-step dipstick test
- Gives results on the spot in just 10 minutes
- No laboratory facilities or sample processing needed

The test gives semiquantitative results in just **10 MINUTES.**

# HOW ACTIM CALPROTECTIN HELPS

## CONVENIENT DIAGNOSTICS AND FOLLOW-UP

Fecal calprotectin is an important biomarker for IBD, including Crohn's disease and ulcerative colitis. Calprotectin levels are low in healthy feces, while IBD patients have elevated fecal calprotectin concentrations due to leakage from damaged mucosa. Actim Calprotectin test is a useful tool for distinguishing IBD from IBS, which does not involve pathological damage to the bowel.

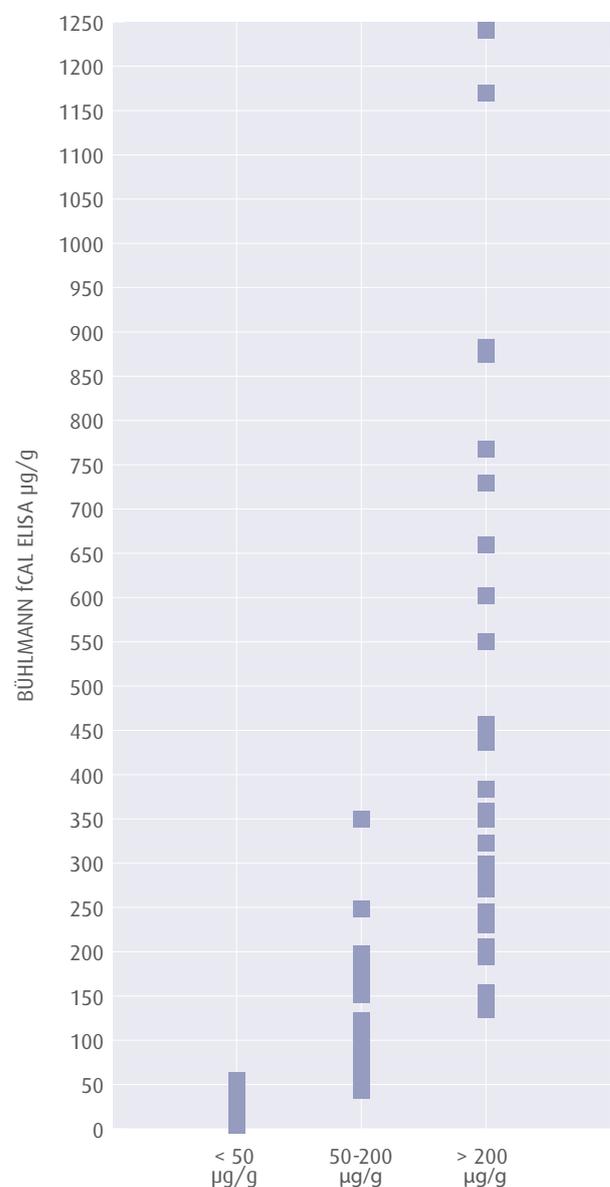
### Actim Calprotectin rapid test

- supports quick diagnosis of IBD, helping to avoid unnecessary, invasive, and costly examinations
- allows timely establishment of an adequate treatment plan, improving disease control
- enables monitoring of treatment response over time, either following the initiation of a new medication or after dose adjustment

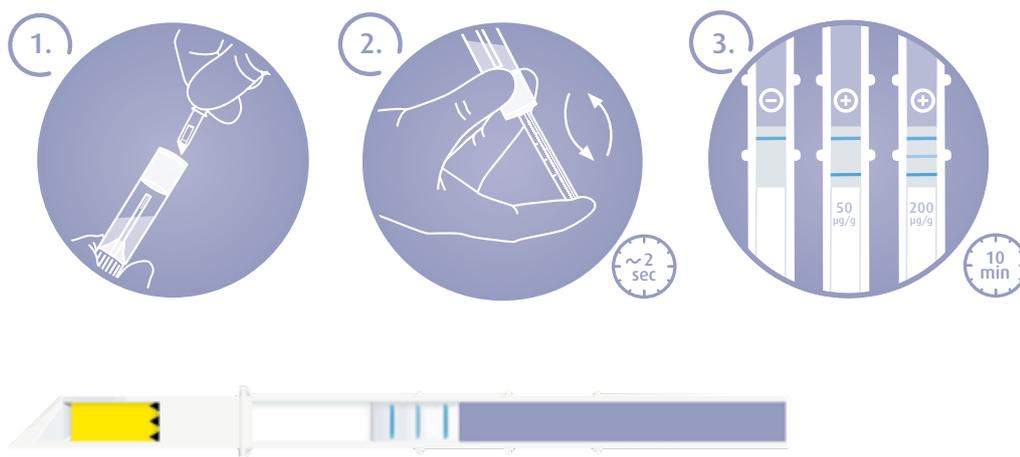
Actim Calprotectin test results have been shown to be comparable to a quantitative ELISA-based calprotectin-assay (Figure 1).

Optimized treatment is essential for the appropriate **MAINTENANCE OF IBD**, and can remarkably improve patients' wellbeing and quality of life.

**FIGURE 1.** Actim Calprotectin test results correlate well with a reference test.



# HOW TO USE **ACTIM CALPROTECTIN**



**FIGURE 1.**  
 1. Perforation  
 2. Test activation  
 3. Result interpretation



**COMBINE WITH ACTIM CRP**  
 To support identification of intestinal inflammation in two different ways, combine Actim Calprotectin with Actim CRP to measure serum CRP, a systemic marker of inflammation.

## CONTACT US

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Ordering information	
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