

# Actim<sup>®</sup> Calprotectin

A convenient rapid test for  
the diagnosis and monitoring  
of intestinal inflammation.

- Actim<sup>®</sup> Calprotectin is a one-step dipstick test that distinguishes intestinal inflammation associated with IBD from non-inflammatory conditions in just 10 minutes.
- The test detects fecal calprotectin, which is a highly sensitive and specific biomarker for the diagnosis of IBD (inflammatory bowel disease).
- The innovative leak-proof sample tube allows a hygienic sample collection at home, which makes the process particularly convenient for the patient.



# How Actim Calprotectin works

Actim Calprotectin is a rapid immunological dipstick test that is based on highly specific monoclonal antibodies that detect levels of calprotectin in feces. The test kit contains all the materials required to collect samples at home, and the one-step test procedure takes only 15 seconds to be completed. The results can be read from the test strip in just 10 minutes, with the number of blue lines indicating the concentration range of fecal calprotectin.

Actim Calprotectin gives semi-quantitative results by reporting calprotectin concentration in three ranges: <50, 50–200, and >200 µg/g. That way, patients with an active inflammation can be easily distinguished from those without mucosal damage and those with an irritable bowel.

## A HYGIENIC AND RELIABLE SAMPLE COLLECTION

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

Once the sample collection is completed, the test can be carried out without having to open the tube cap afterwards, making the test procedure particularly hygienic and safe for the patient. Furthermore, the sample tube can be stored at room temperature for up to one week, which enables taking multiple samples on different days if needed.

The test gives semi-quantitative results ready for visual interpretation in just 10 minutes.

## Actim Calprotectin in a nutshell

- A highly specific rapid test that detects the concentration of calprotectin in feces to reliably distinguish IBD from IBS.
- A hygienic test that makes home sample collection smooth and effortless for the patient.
- Semi-quantitative test results are ready for visual interpretation in just 10 minutes.
- No extra laboratory resources or equipment are required for testing patients with Actim Calprotectin.

## About 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 which can be found in feces even after 7 days of secretion from the mucosal membrane.

# How Actim Calprotectin helps

## FOR CONVENIENT DIAGNOSES AND FOLLOW-UPS

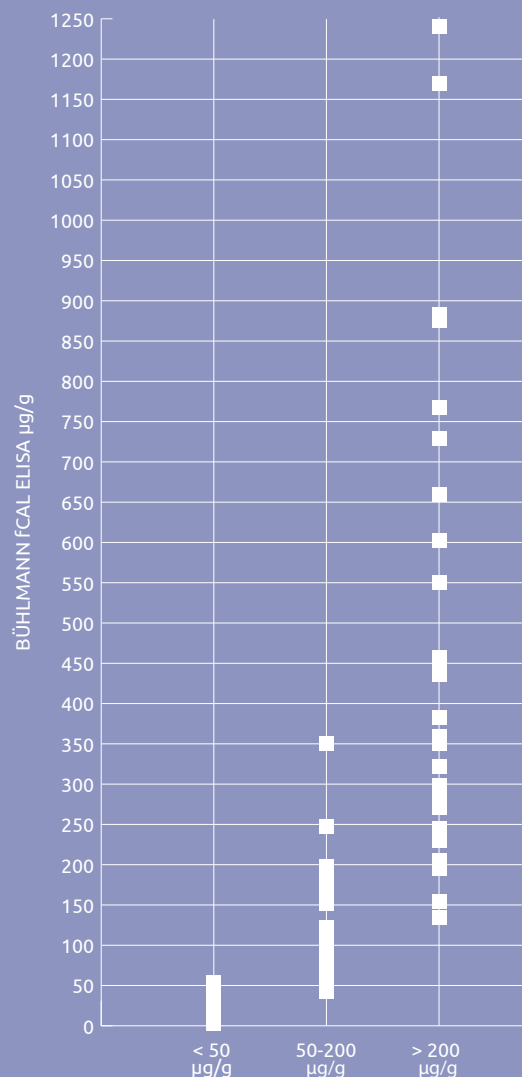
Fecal calprotectin is an established clinical biomarker for inflammatory bowel diseases – including Crohn’s disease and ulcerative colitis. Calprotectin levels are low in healthy feces, while IBD patients have elevated fecal calprotectin concentrations due to a leakage from damaged mucosa. Actim Calprotectin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

Diagnosis of IBD can be made in a timely manner with the help of Actim Calprotectin, avoiding invasive and costly examinations for the patients. Actim Calprotectin can also be used to monitor the evolution of the disease over time after the prescription of the initial treatment and following the adjustment of drug doses.

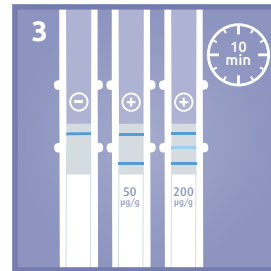
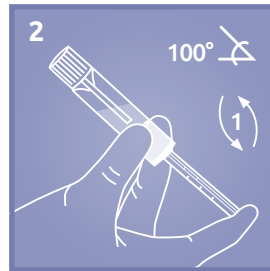
Actim Calprotectin test results have been shown to be comparable to a quantitative ELISA-based calprotectin-assay (Figure 1).

Timely diagnosis of IBD is essential to enable early treatment so complications can be avoided and patients’ quality of life can be improved as soon as possible.

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



# How to use Actim Calprotectin



1. Perforation of the tube.
2. Activation of the test.
3. Interpretation of the test result.



## Ordering information

Product	Product code
Actim Calprotectin, 20 tests	35032ETAC

✓ The test kit contains all the materials needed - no extra laboratory equipment is required to perform the test.

🌡️ The test kit can be stored at room temperature.



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