



CALPROTECTIN 2

EliA™
Excellence in Autoimmunity

Rule out inflammatory bowel diseases safely and efficiently

EliA Calprotectin 2 – second generation automated
fecal calprotectin test for a fast turnaround of results

Thermo
SCIENTIFIC

Provide early diagnostic guidance in a fast and cost-efficient manner

Rule out IBD safely and efficiently

The very high sensitivity of EliA™ Calprotectin 2 for IBD together with its superb negative predictive value (Table 1) make the test an ideal tool to rule out inflammatory bowel diseases (IBD).

A negative test result makes a non-inflammatory, functional bowel disease (FBD) very likely. As first-line test fecal calprotectin can help to reduce the number of avoidable endoscopies by 50%¹.

	Sensitivity	Negative predictive value (NPV)
EliA Calprotectin 2	98.0 %	96.9 %

Table 1: Sensitivity and NPV of EliA Calprotectin 2. Internal study using 182 stool samples (99 IBD, 83 IBS or other functional bowel disorders).

Differentiate IBD from functional bowel diseases

EliA Calprotectin 2 is specifically detecting intestinal inflammation with very high sensitivity. Since the majority of functional bowel diseases will give a negative result, the test is very helpful in differential diagnosis of gastrointestinal disorders, distinguishing the rare inflammatory bowel diseases from the much more frequent functional bowel disorders (Figure 1).

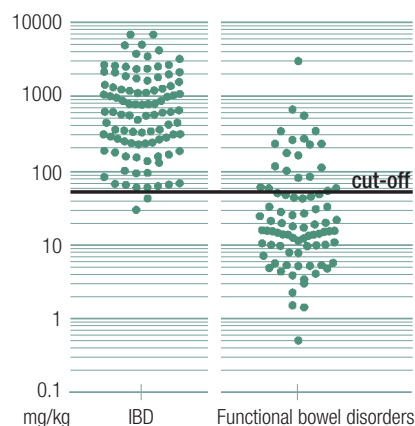


Figure 1: Performance of EliA Calprotectin 2 in 182 stool samples (99 IBD, 83 IBS or other functional bowel disorders). Cut-off for positivity: 50 mg/kg (internal study).

Provide early diagnostic guidance

The excellent clinical performance of EliA Calprotectin 2 provides early diagnostic guidance for the physician. Its outstanding sensitivity helps detect more IBD patients. Its high specificity helps in reducing avoidable endoscopic procedures. EliA Calprotectin 2 is best in class in all key performance indicators (Figure 2).



Figure 2: Clinical performance of EliA Calprotectin 2 compared to other suppliers' tests. Internal study using 182 stool samples (99 IBD, 83 IBS, and other functional bowel disorders).

Increase efficiency through flexibility and automation

EliA Calprotectin 2 is a second generation fecal calprotectin test which even outperforms its successful precursor EliA Calprotectin.

The significantly improved sensitivity and NPV of EliA Calprotectin 2 means that IBD can be ruled out with more certainty – a significant improvement in clinical utility (Table 2).

	Sensitivity (%)	Specificity (%)	PPV (%)	NPV (%)
EliA Calprotectin 2	98.0	75.9	82.9	96.9
EliA Calprotectin	88.9	79.5	83.8	85.7

Table 2: Clinical performance of EliA Calprotectin 2 compared to EliA Calprotectin. Internal study using 182 stool samples (99 IBD, 83 IBS or other functional bowel disorders).

Stool extraction is a time consuming process which is difficult to integrate into the tight schedules of laboratory routine.

The longer stool extract stability of EliA Calprotectin 2 (three days at room temperature) provides more flexibility to the lab, enabling convenient separation of stool extraction and testing (Table 3).

Temperature	Room temperature	4°C	-20°C
Stool extract stability	3 days	7 days	3 months

Table 3: Stability of EliA Calprotectin 2 stool extracts at different storage temperatures (internal evaluation study).

EliA Calprotectin 2 has the highest measuring range available (≥ 6000 mg/kg), which minimizes the need for further dilution of highly positive samples and repeated testing (Figure 3).

Together with the fully automated testing on Phadia® Laboratory Systems (Phadia 250/2500/5000) this cuts down operational costs, simplifies planning, and increases efficiency.

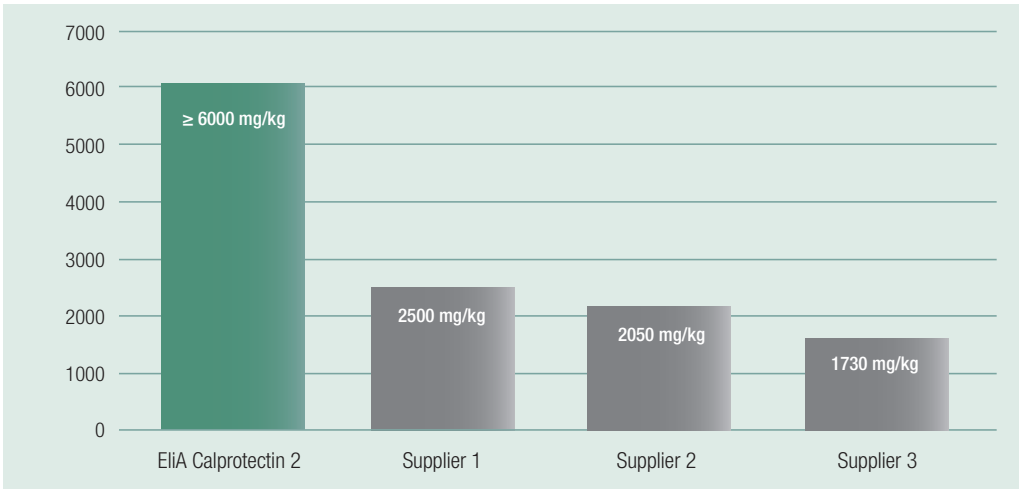


Figure 3: Measuring range of EliA Calprotectin 2 compared to other suppliers' tests according to manufacturers' directions for use.

Second generation test for superior performance

Add flexibility to your lab routine

Save costs through increased efficiency

Fecal calprotectin testing of high clinical value and easy integration into existing workflow

Your advantages with EliA Calprotectin 2:

- Ruling out IBD safely and efficiently
- Clear differentiation between IBD and IBS and other functional bowel disorders
- Early diagnostic guidance
- Second generation test for superior performance
- Adds flexibility to your lab routine
- Completely automated and efficient testing, reducing the workload for your lab personnel
- Improves service quality and ensures a quick delivery of results
- Add-on to the EliA gastro panel on Phadia Laboratory Systems

EliA Calprotectin 2 offers a complete solution: from stool extraction to automated sample measurement.

Technical data:

Dilution	1:200		
Cut-off / measuring range	negative	positive	measuring range
	≤ 50 mg/kg	> 50 mg/kg	3.8 – ≥ 6000 mg/kg
Ordering information	Package size	Article No.	
EliA Calprotectin 2 Well	4 x 16 wells	14-6748-01	

Please note that the EliA Calprotectin 2 test requires dedicated reagents. For detailed information please refer to the test's directions for use.

Reference:

1 Mindemark M, Larsson A (2012). Ruling out IBD: Estimation of the possible economic effects of pre-endoscopic screening with F-calprotectin. Clin Biochem 45 (7-8): 552-5

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