

CalFast[®] NeXT

Quantitative rapid test with the most extensive measuring range for fecal calprotectin



CALPROTECTIN



Fast



Quantitative
results



Extended
measuring range



EasyCal
included

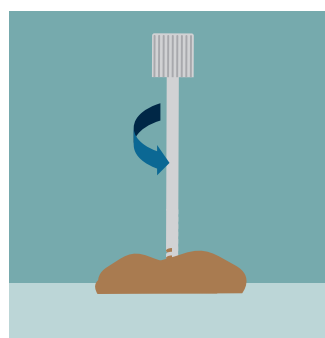
CalFast[®] NeXT

The NeXT step for fecal calprotectin rapid measurement

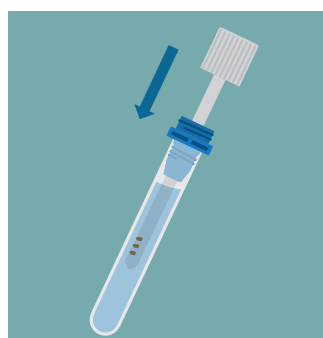
Calprotectin, a 36 kDa heterodimer belonging to the S100 family of proteins, is produced by polymorphonuclear cells, monocytes and epithelial cells, having proapoptotic, bacteriostatic and antimycotic properties. Calprotectin is secreted in the site of leisure or of infection in order to exert its functions. Thanks to its properties, in recent years calprotectin has become an important **marker of inflammation**. Calprotectin can be detected in various biological matrices such as plasma, serum, synovial fluid and feces, and its concentration is **proportional to the existing level of inflammation**. Following the experience gained with **CalFast** and **CalFast XT**, Eurospital develops **CalFast NeXT**, the latest evolution of the rapid immunochromatographic test that supports the differential diagnosis of chronic Inflammatory Bowel Disease (IBD) from Irritable Bowel Syndrome (IBS), providing a rapid and easy solution for calprotectin quantification and a clear **status of the intestinal mucosa inflammation**. **CalFast NeXT** allows not only the identification of IBD patients, but thanks to its **extensive measuring range**, now up to **2,100 µg/g**, permits also a precise monitoring of the IBD patient's clinical course in order to adapt the therapeutic approach.

EasyCal[®]: ready-to-use preanalytical fecal extraction device

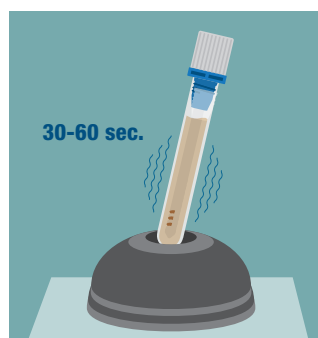
Calprotectin is extracted from fecal specimens by using **EasyCal**, the **ready-to-use** fecal extraction device already included in the kit. The length of EasyCal's collection stick minimizes the risk of user's contamination, while the diagonal grooves allow to work with all kind of sample consistencies, from the most liquid to the most solid. Following a fast and easy extraction protocol, after a few minutes the fecal extract gets diluted and finally pipetted into the test cassette.



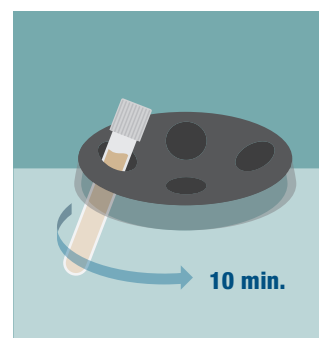
1. Collection of fecal specimen with the stick.



2. Insertion of the stick into the tube through the filtering funnel.



3. Vortexing for 30-60 seconds.



4. Removal of the stick and funnel and centrifugation for 10 minutes or left to sediment for 20 minutes.

Eu-Fast Reader: dedicated rapid test reader

Calprotectin concentration can be rapidly determined by analyzing CalFast NeXT test cassette with the dedicated **Eu-Fast Reader** after a 20 minutes incubation time at room temperature.



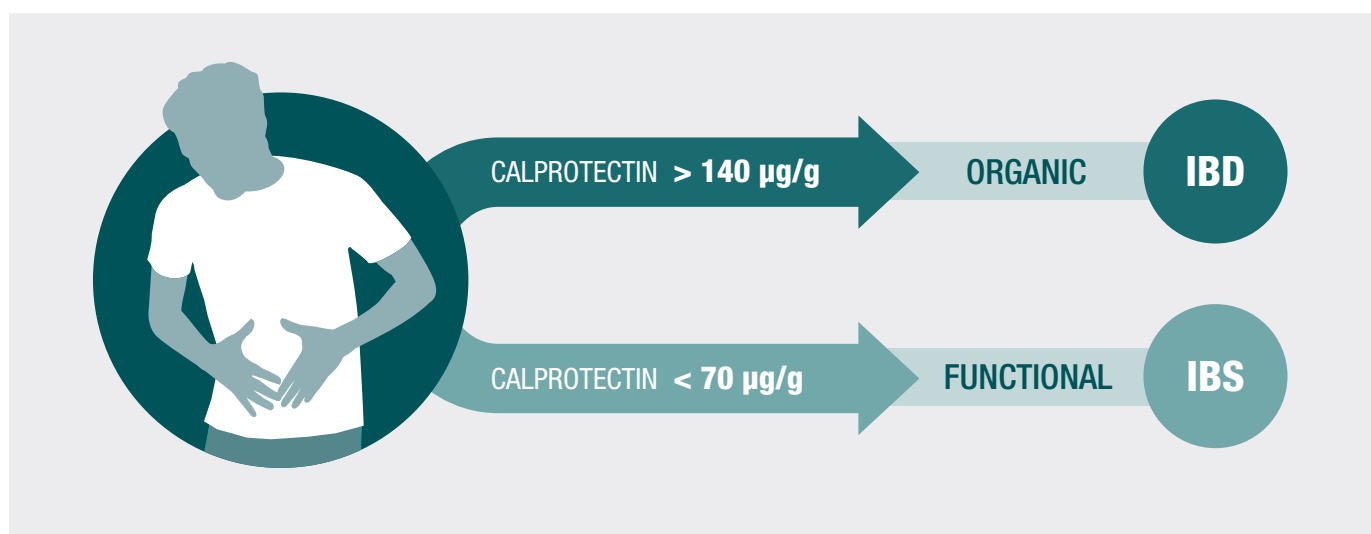
Eu-Fast Reader main features

- Touchscreen display for simplified operativity
- Intuitive operating system for quick and easy use
- Double sided cassette slide for higher test cassette compatibility
- Last generation internal videocamera for high resolution reading
- Built-in barcode reader for simplified test lot recording
- Wi-fi connectivity for improved data transfer
- Windows Enterprise OS for optimized system stability

Interpretation of results

Calprotectin cut-off values from fecal specimens for the identification of IBD patients:

CALPROTECTIN CONCENTRATION	INTERPRETATION	FOLLOW-UP
< 70 µg/g	Subject with no intestinal inflammation	No invasive evaluation required
70-140 µg/g	Borderline subject	Re-evaluation of the subject after 2-4 weeks
> 140 µg/g	Subject with intestinal inflammation	Further clinical investigations required for the identification of the corresponding pathology



The widest measuring range for a rapid test

The dedicated **Eu-Fast Reader** uses a lot specific standard curve to calculate the concentration of the fecal calprotectin analyzed with **CalFast NeXT**. The extended measuring range up to **2,100 µg/g** (without further dilution) of CalFast NeXT allows both the **identification** of IBD patients, as well as the **monitoring** of their clinical course.

Performance

Sensitivity	95.2%	Specificity	89.7%
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KIT CONTENT

- 20 test cassettes
- 20 EasyCal extraction devices
- 20 EasyCal secondary caps
- Ready-to-use dilution buffer
- 2 negative and 2 positive controls

ORDERING CODES

- **CalFast NeXT** - Ref. 9191NT
- **Eu-Fast Reader** - Ref. 9190NT



More information and scientific references on:
www.calprotectintest.com

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