

# Diagnosis of *Inflammatory Bowel Diseases*

Improving the diagnostics  
journey with a comprehensive  
solution of specific markers

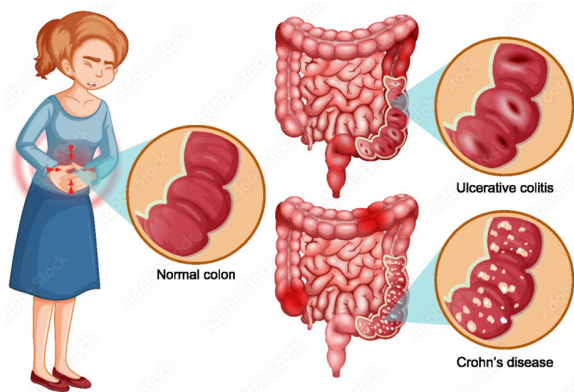
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# Key features

## *Inflammatory bowel disease*



Inflammatory bowel disease (IBD) is a group of chronic gastrointestinal tract (GI) inflammatory conditions. The two main types of IBD are Crohn's disease and ulcerative colitis. These conditions are characterized by periods of active disease, and remission, where symptoms reduce or disappear.

Crohn's disease can affect any part of the GI tract, but most commonly it affects the final tract of the small intestine (ileum) and the beginning of the colon. In contrast, ulcerative colitis is limited to the colon (large intestine) and rectum.

The diagnosis of IBD is based on the clinical picture of the patient as well as on a combination of endoscopic, histological, laboratory, and radiological tests.

## Random access solution for *screening and differentiation of IBD*

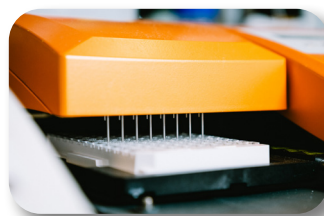
### Fully automated testing

Flexible, reliable and efficient utilizing the **Alegria Monotest technology**.  
Customized full patient profiles within one run



### Or open systems

Complete portfolio also available as ELISA plates



## Main *benefits*

Improving the diagnostic journey

1  
Non-invasive  
early differentiation  
between IBD and IBS

2  
Wide  
measuring  
range



# A complete solution to aid the diagnosis of inflammatory bowel disease

Non-invasive stool and antibody tests play a crucial role in the diagnosis and management of IBD. These tests help to differentiate IBD from other conditions, such as infections and irritable bowel syndrome (IBS), and are reliable tools for monitoring the disease activity.



## Calprotectin

**Calprotectin** is a calcium - and zinc - binding protein complex produced by neutrophilic granulocytes and monocytes. In cases of IBD, neutrophils move into the gut lumen and release calprotectin, which is secreted with stool. Calprotectin is produced at the onset of intestinal inflammation, allowing early diagnosis, and its levels help distinguish IBD from functional diseases like IBS.

The **Calprotectin** concentration correlates with the number of neutrophils in the lumen and the severity of inflammation, thereby aiding in **monitoring the activity of IBD** (relapse or remission).

Concentrations  $>50 \mu\text{g/g}$  should be considered significant and verified by endoscopy.

## Lactoferrin

**Lactoferrin** is an iron-binding glycoprotein found in various secretory fluids, including saliva, tears, and neutrophils. Elevated levels of fecal lactoferrin indicate neutrophil activity and thus inflammation, helping in the early diagnosis of IBD. High fecal lactoferrin levels help distinguish between inflammatory conditions like Crohn's disease and ulcerative colitis from non-inflammatory conditions like IBS.

## ASCA

These are antibodies directed against components of the yeast *Saccharomyces cerevisiae*.

While ASCA is more commonly positive in Crohn's disease, it is typically negative or found at low levels in patients with ulcerative colitis. **Positive ASCA status may help stratify patients into different subtypes of Crohn's disease**, potentially correlating with specific clinical features or disease courses.

# 3

Easy results interpretation: aid in diagnosis, and therapy monitoring

# 4

Reliable, simplified, and random access workflow

## Proven medical value

- Increased sensitivity
- Affordable screening approach
- Correlation with disease activity
- Reliable results to guide the therapy

# Ordering *information*

## Reagents

Alegria Monotest Portfolio for IBD Diagnostics

- Calprotectin\* ..... **ORG 280**
- Lactoferrin ..... **ORG 284**
- Anti-BPI ..... **ORG 223**
- Anti-Cathepsin G ..... **ORG 225**
- Anti-Lysozyme ..... **ORG 226**
- Anti-Lactoferrin ..... **ORG 227**
- ASCA IgA\* ..... **ORG 245A**
- ASCA IgG\* ..... **ORG 245G**

## Consumables

- Stool Extraction Tubes (100) ..... **ORG 282**
- Stool Extraction Medium 4x20 ml ..... **F5126**

\*Products available also in ELISA open system platforms

## Instrument

- Alegria 2 ..... **ORG 320**
- Alegria 300µl Automation Tips ..... **ORG 302**



Scan here  
**for more information**  
about IBD

For further information, please find your Sebia local representative to contact on our Website [www.sebia.com/sebia/worldwide-presence/](http://www.sebia.com/sebia/worldwide-presence/).



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