

# FECAL System

BioSystems

Clean and simple

Clinical analysis

human - centred biotech





# Minimise your efforts. Maximise your results.

Gastrointestinal disease diagnosis is of vital importance for certain types of diseases, which can be prevented and controlled with early diagnosis and monitoring.

With this in mind, we bring into the market an in house developed comprehensive system for fecal analysis that allows an easy, accurate and reliable determination of fecal parameters in your laboratory, making the process cleaner, safer and faster.

Our main objective is to meet your needs and to strive to exceed technical, economic and human expectations. We are committed to provide the best possible user experience.

## What is FECAL Calprotectin (FCAL)?

Calprotectin determination in feces allows detecting the presence of intestinal inflammation and therefore minimizing or even avoiding the need for endoscopy. Calprotectin determination also allows differentiating inflammatory bowel disease from irritable bowel syndrome (IBS) and has a better correlation with the degree of inflammation than clinical indices and serological markers.



## What is FECAL Occult Blood (FOB)?

The presence of haemoglobin in feces is indicative of some type of bleeding injury in the intestinal tract. The cause of bleeding may be due to multiple factors such as polyps in the colon, adenomas, Crohn's disease, ulcerative colitis or colorectal carcinoma among others. Although the definitive diagnosis of colon cancer is based on colonoscopy, the detection of occult haemoglobin in feces can be useful for its early detection. The test is used in middle-aged population studies in which it is quite common that the intestinal polyps become cancerous.



# Technological innovation



## We simplify fecal sampling collection

The new dedicated sample collection tube requires no special pre-treatment and is very hygienic and safe for users due to the cap piercing function. The universal tube can be used for both fecal occult blood and fecal calprotectin assays and has a long shelf life, even at room temperature.



## Validated and reliable reagents for your laboratory

Latex enhanced immunoturbidimetric reagents for a high specificity and sensitivity in fecal tests with controls and standards ready-to-use to reduce your laboratory workload.



## Robust and versatile analytical system

We have fine-tuned the A15 system with the new cap piercing function to reduce tube manipulation, as well as dedicated software for fecal sample analysis. The new software allows users to define cut-offs, quantitative and qualitative results and report data in different units.

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We aim to facilitate fecal analysis  
making sample handling cleaner  
and safer and providing fast and  
reliable results.

Just add samples and run tests.

We make fecal  
analysis easier

# Technical specifications

## Highlights

- Integral system for fecal analysis avoiding contaminations with other sample types.
- Dedicated software for specific fecal analysis.
- Same tube can be used for fecal occult blood and fecal calprotectin testing.
- Liquid calibrators and controls ready to use.
- Latex enhanced immunoturbidimetric reagents for fecal occult blood and fecal calprotectin detection in fecal samples.
- *In vitro diagnostic* CE marked.

## Ordering Information

Item	Code	Quantity
A15S Analyser	83105S	1 ud
FECAL Occult Blood (FOB) Reagent	12325	50 mL
FECAL Occult Blood (FOB) Standard	31326	1x2 mL
FECAL Occult Blood (FOB) Controls	18068	2x1 mL
FECAL Calprotectin (FCAL) Reagent	12330	50 mL
FECAL Calprotectin (FCAL) Standard	31331	1x2 mL
FECAL Calprotectin (FCAL) Controls	31332	2x1 mL
STOOL Collection Tube	31327	200 tubes
STOOL Collection Tube	31329	50 tubes

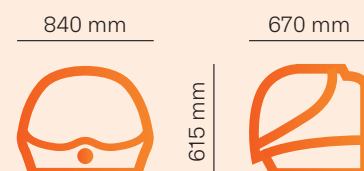


# A15

## Automatic Random Access Analyser

Random access automatic analyser aimed at giving IVD results with photometric reading directly in the reaction rotor.

<b>Throughput</b>	<b>System liquid bottle volume</b>
150 test/hour	2700 mL
<b>Positions for racks</b>	<b>Waste bottle volume</b>
2 (reagents or samples)	2700 mL
<b>Number of samples per sample rack</b>	<b>Washing solution bottle volume</b>
24	2700 mL
<b>Maximum capacity of samples</b>	<b>Single-use rotor of methacrylate</b>
48 (paediatric wells or stool collection tubes)	120 reactions wells
<b>Flexibility in type of sample tubes</b>	<b>Reaction volume range</b>
Stool collection tubes or paediatric cups ø13 mm	180 µL- 800 µL
<b>Number of reagents per reagent rack</b>	<b>Litghtpath</b>
10	6 mm
<b>Maximum capacity of refrigerated reagents</b>	<b>Light source</b>
20	Halogen lamp 6V, 10W
<b>Reagent bottles</b>	<b>Photometric detection system</b>
20 mL and 50 mL	Silicon photodiode
<b>Dispensing tip</b>	<b>Measurement range</b>
Beveled for cap piercing	From -0.05 A to 3.0 A
<b>Level detection</b>	<b>Spectral range</b>
Capacity	340 nm - 900 nm
<b>Dosing pump</b>	<b>Filter configuration</b>
Ceramic piston of high durability	350, 405, 505, 535, 560, 600, 635, 670 nm (+1 additional filter can be added by user)
<b>Reagent volume</b>	<b>Physical dimensions</b>
10 µL- 600 µL	840 x 670 x 615 mm (width x depth x height)
<b>Sample volume</b>	<b>Weight</b>
2 µL- 80 µL	45 kg





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Management  
System  
ISO 9001:2015  
ISO 13485:2016

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