

RIDASCREEN® Calprotectin

Marker of inflammation in inflammatory bowel disease



Warning
 Hazard Statements:
 H373 May cause damage to organs through prolonged or repeated exposure.
 H302 Harmful if swallowed.
 H312 Causes skin irritation.
 H319 Causes eye irritation.

RIDASCREEN® Calprotectin
 Art. No. G09036
 Enzyme immunoassay for the detection of Calprotectin in stool samples

Content:
 1 x Microwell plate 96 wells
 1 x Standard 1-5 1 ml
 1 x Calibrator 1 ml
 1 x Positive control 1 ml
 1 x Low positive control 1 ml
 1 x Conjugate 12 ml
 1 x Sample dilution buffer 3 100 ml
 2 x Extraction buffer 3x 100 ml
 1 x Wash buffer 10x 100 ml
 1 x Substrate 12 ml
 1 x Stop reagent 12 ml

for in vitro diagnostic use
 Consult instructions for use!
 Lot: 23242
 2023-04
 2 to 8 °C
 C09036
 96
 2022-06

Precautionary Statements
 P201 Do not breathe dust/fume/gas/aerosol/vapour/spray.
 P273 Avoid contact with water, food, clothing, or other objects.
 P301+P312 If swallowed: Rinse mouth with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P302+P352 If on skin: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P303+P361+P353 If in contact with clothes: Remove contaminated clothing and shoes. Wash thoroughly before reuse. Keep away from fire.
 P501 Dispose of contents in accordance with local/regional/national/international regulations.

Disposal of contents:
 Dispose of contents in accordance with local/regional/national/international regulations.

CE
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05/2023



Quantitative results



1-point calibration and standard curve in one single kit



Measure 2 analytes from one GZ3016 tube

More information:



https://r-b.io/Calpro_EN

RIDASCREEN® Calprotectin

Art. No. G09036

Calprotectin, a calcium-binding protein produced in cells such as neutrophils, is released during inflammation.

Fecal calprotectin serves as a biomarker of gastrointestinal inflammation. In the presence of an inflammatory bowel disease, neutrophils influx into the intestinal lumen

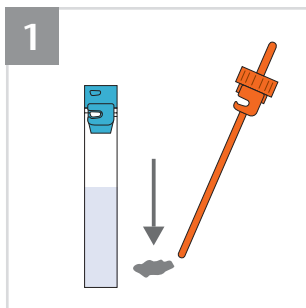
and release calprotectin, which is excreted in the feces. Consequently, the fecal calprotectin concentration can be used as a measure of the number of neutrophils in the bowel lumen and as an indicator of the severity of intestinal inflammation.

RIDA®TUBE Calprotectin (Art. No. GZ3016)

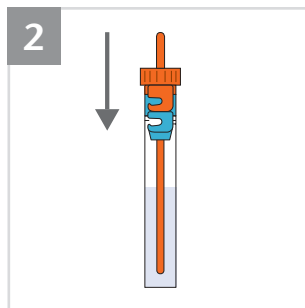
Calprotectin is extracted from human stool samples using the RIDA®TUBE Calprotectin GZ3016. The length of RIDA®TUBE Calprotectin collection stick avoids contamination, while the diagonal grooves allow to work with all kind of sample consistencies.

After a fast and easy extraction protocol, the fecal extract has to be diluted and can be used directly in the test.

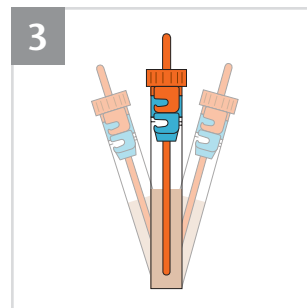
Note that the GZ3016 Tubes can be also used for the pancreatic elastase ELISA assay.



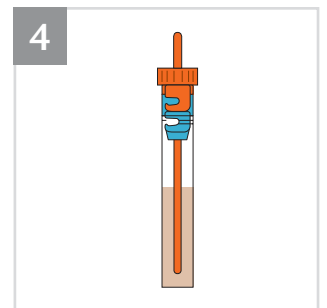
1 Collection of fecal specimen with the stick.



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



3 Vortexing for 30 - 60 seconds until the stool sample from the sampling tip is completely suspended in the extraction buffer.



4 Allow the extracts to sediment for 30 min. Do not centrifuge the RIDA®TUBE Calprotectin.

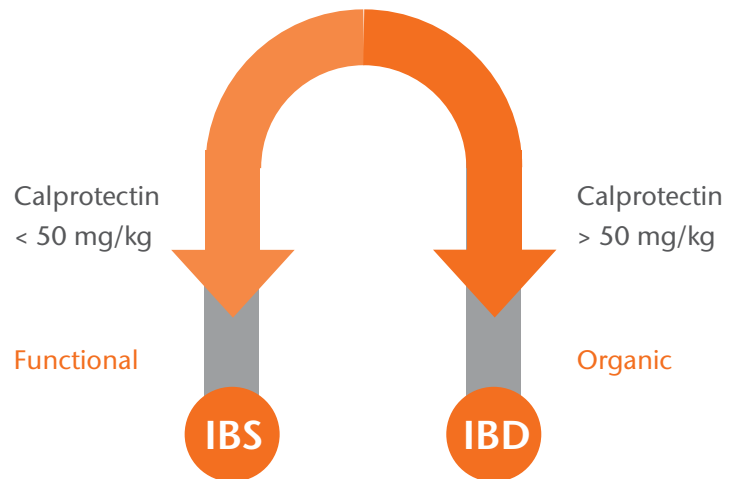
RIDASCREEN® Calprotectin as marker of inflammation in inflammatory bowel disease

- For reliable differentiation between inflammatory bowel disease and irritable bowel syndrome
- For early detection of flares of inflammatory bowel disease
- To objectively document the severity of inflammation
- For monitoring of response to treatment in IBD-therapy

Interpretation of results

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

Calprotectin concentration	Interpretation	Follow-up
< 50 mg/kg	Normal	None
> 50 mg/kg	Abnormal	Further clinical investigations required



Performance

The clinical performance of RIDASCREEN® Calprotectin is described in several published studies, which are presented below.

Clinical performance parameter	Study 1 N= 176 Adults (cut-off 140µg/g)	Study 2 N= 41 Adults (cut-off 50µg/g)
Diagnostic sensitivity	86 %	82 %
Diagnostic specificity	72 %	100 %

The performance of RIDASCREEN® Calprotectin as a diagnostic tool (together with other diagnostic parameters) in monitoring the disease state of confirmed IBD is described in Study 3.

1. Mooiweer E, Fidder HH, Siersema PD et al. Fecal Hemoglobin and Calprotectin Are Equally Effective in Identifying Patients with Inflammatory Bowel Disease with Active Endoscopic Inflammation. *Inflamm Bowel Dis* 2014;20:307–314)
2. Jang HW, Kim HS, Park SJ, Sung Pil S et al. Accuracy of three different fecal calprotectin tests in the diagnosis of inflammatory bowel disease. *Intest Res* 2016;14(4):305-313
3. Review: Mooiweer E, Severs M, Schipper EI. Low fecal calprotectin predicts sustained clinical remission in inflammatory bowel disease patients: e plea for deep remission. *Journal of Crohn's and Colitis* 2015;50-55

Kit content

- Plate (with breakable wells)
- Extraction buffer (3x conc.)
- Sample dilution buffer Diluent 3
- Wash buffer (10x conc.)
- Calibrator
- Standard 1 - 5
- Control and low control
- Conjugate
- Substrate and stop solution



Order information

Therapeutic drug monitoring (TDM)

Product	Tests	Art. No.
Enzyme immunoassays		
RIDASCREEN® Calprotectin	96	G09036
RIDASCREEN® IFX Monitoring	96	G09041
RIDASCREEN® Anti-IFX Antibodies	96	G09042
RIDASCREEN® ADM Monitoring	96	G09043
RIDASCREEN® Anti-ADM Antibodies	96	G09044
RIDASCREEN® VDZ Monitoring	96	G09045
RIDASCREEN® GLM Monitoring	96	G09047
RIDASCREEN® UST Monitoring	96	G09049



For further details and information visit our website, contact your local distributor or Clinical Sales International.

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