

Calprotectin Immunoassay

Catalog # HYE-5767



DRG:HYBRiD•XL®

Fully-automated analyzer for
enzyme immunoassays &
clinical chemistry

WHY TEST FOR CALPROTECTIN?

Fecal Calprotectin is a clinical biomarker for acute inflammation in general, neoplastic and **inflammatory gastrointestinal diseases**:

- Differentiation between **inflammatory bowel disease (IBD)** and **irritable bowel syndrome (IBS)**
- Assessment of **inflammatory activity** in **Morbus Crohn** and **ulcerative colitis** patients
- Differential diagnosis of **chronic diarrhea**.

Up to 40% of patients with IBD have the same symptoms as patients with IBS. Therefore, **differential diagnosis between IBD and IBS is important**. Calprotectin is a protein that is found in much higher concentrations in stool than in blood. Calprotectin concentration in stool is much higher in IBD than in IBS, which makes it an extremely useful, non-invasive diagnostic tool for the differential diagnosis of inflammatory gastrointestinal diseases.

BENEFITS - Calprotectin for DRG:HYBRiD•XL®

- **Fully automated immunoassay** for the quantitative determination of Calprotectin in stool
- **Easy, hygienic, and fast handling** of stool samples with Fecal Extraction System (FES)
- **Non-invasive** test method for patients
- **Excellent clinical significance** of results
- **Good comparability** with competitor assays
- **40 single tests** per kit box
- **2 Controls** and **2 Re-Calibrators** included
- **Validation** according to CLSI guidelines



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Assay Characteristics of Calprotectin

- Sandwich immunoassay with monoclonal antibodies
- Measuring range: 4.5 - 1500 µg/g
- Total assay time: 60 min
- Cut-off at 50 µg/g stool

RELATED PRODUCTS:

HYI-5989 Fecal Extraction System 2.6 (FES)
HYC-5319 CRP

Reference Range

- Negative: < 50 µg/g
- Grey Zone: 50 - 200 µg/g
- Positive: > 200 µg/g

Sensitivity

- Limit of Blank: 1.26 µg/g
- Limit of Detection: 4.50 µg/g
- Limit of Quantification: 11.0 µg/g

ABOUT THE DRG:HYBRiD•XL®















Fully Automated Random-Access Analyzer for Immunoassays and Clinical Chemistry

The DRG:HYBRiD•XL® analyzer is designed to simultaneously perform reliable immunoassays and clinical chemistry testing, including turbidimetric tests from one patient sample, delivering a very flexible and easy method to meet the demands of the laboratory. The DRG:HYBRiD•XL® assays are available for added convenience and efficiency.

Assay Coverage

The comprehensive and high quality assay menu includes panels for routine testing as well as dedicated tests not commonly found in an automated format.

Our assay offerings for the DRG:HYBRiD•XL®:

Antibiotic TDM 	Hypertension 
Bone Metabolism 	Inflammation 
Cardiac 	Iron Metabolism 
Diabetes 	Nephrology 
Fertility 	Oncology 
Gastroenterology 	Thyroid 

Our current portfolio includes 50+ assays with new ones added continuously.

