

Gut Immunology Panel



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Patient: **SAMPLE PATIENT**

Age: 10
Sex: M
MRN:

Order Number:
Completed: February 18, 2008
Received: February 08, 2008
Collected: February 05, 2008

Gut Immunology		
Analyte	Result	Reference Range
Eosinophil Protein X	7.1	<= 7.0 mcg/g
Calprotectin	78	<= 50 mcg/g

EPX

EPX (Eosinophil Protein X) is one of a number of cationic proteins found in eosinophils that have potent cytotoxic and neurotoxic properties, once activated. EPX is useful for evaluating the disease activity and for predicting relapses in patients with IBD. Elevated levels can also be seen in cases of intestinal parasites, chronic diarrhea, food allergy and bowel cancer.

Calprotectin

Fecal calprotectin is a direct measure of inflammation in the gut and is directly correlated to disease activity in Inflammatory Bowel Disease (IBD). As such, calprotectin has been called "the ESR (Erythrocyte Sedimentation Rate) of the gut." Elevations can be caused by IBD, infection, polyps, neoplasia or NSAID usage. Levels greater than 100 µg/g warrant further investigation.

This test has been developed and its performance characteristics determined by GSDL, Inc. It has not been cleared or approved by the U.S. Food and Drug Administration.

Commentary is provided to the practitioner for educational purposes, and should not be interpreted as diagnostic or treatment recommendations. Diagnosis and treatment decisions are the responsibility of the practitioner.

The **Reference Range** is a statistical interval representing 95% or 2 Standard Deviations (2 S.D.) of the reference population.

One Standard Deviation (1 S.D.) is a statistical interval representing 68% of the reference population. Values between 1 and 2 S.D. are not necessarily abnormal. Clinical correlation is suggested.

(See example below)

