



Comprehensive GI Testing Value

Why Choose Genova Diagnostics' Gastrointestinal Products?

- GI Effects is a **comprehensive assessment of complete GI health**, assessing the root cause of most gut complaints.
- Genova uses a combination of **PCR, culture, and microscopic methods** to ensure any and all relevant organisms are identified.
- Genova **recovers live organisms** (yeast and bacteria) for susceptibility testing and improved treatment options.
- Genova **measures metabolomics** and can assess the interaction between the microbiome and its host.
- Genova is the **market authority** on stool inflammatory markers, testing calprotectin, EPX and sIgA.
- Genova has amassed a **database of hundreds of thousands of complete stool profiles**. Our data driven and evidence-based analysis ensures the highest standard of analytical validity and clinical utility.

GI *fx* **GI Effects**
Stool Profiles

SEE REVERSE FOR DETAILS

GENOVA
DIAGNOSTICS

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- **GI Effects is a comprehensive assessment of complete GI health**, assessing the root cause of most gut complaints. It offers a direct assessment of digestion, absorption, inflammation, and infection. Abnormalities can give insight into issues such as:
 - small intestinal bacterial overgrowth (SIBO)
 - intestinal permeability (leaky gut)
 - food intolerances
 - celiac disease
 - inflammatory bowel disease (Crohn's and Ulcerative Colitis)
- Genova uses a **combination of PCR, culture, and microscopic methods** to ensure any and all relevant organisms are identified. Utilizing a single technology cannot fully capture the dynamics of the microbiome.
- **Genova recovers live organisms** (yeast and bacteria); therefore, susceptibility testing can be performed to provide treatment options that relate to the actual organism recovered from the stool. Genova can identify thousands of live, cultured, aerobic bacteria and yeast.
- In addition to a commensal bacteria assessment, **metabolomics** are also measured. By measuring short chain fatty acids and products of protein breakdown, we can **assess the interaction between the microbiome and its host**. These markers are abnormal in conditions such as dysbiosis and bacterial overgrowth syndromes (SIBO), and can help to direct therapies to balance the microbiome.
- **Genova is the market authority on stool inflammatory markers.** These markers are well represented in literature, and used to monitor clinical conditions such as inflammatory bowel disease (calprotectin, EPX, sIgA), parasitic infections (EPX), food allergies (EPX), as well as food intolerances (sIgA). Calprotectin was introduced to the USA and gained FDA clearance as a result of Genova's leadership.
- Genova has amassed a database of **hundreds of thousands of complete stool profiles**. Ongoing data analysis establishes a firm foundation on which to base clinical decision making and treatment. Our **data driven and evidence-based analysis** ensures the highest standard of analytical validity and clinical utility.
 - Continued data analysis allows Genova to tell a complete story regarding each patient's microbiome to uncover subtleties into overall health and wellness.
 - The commensal bacteria clinical associations chart aligns data with conditions such as IBS, IBD, chronic fatigue, and metabolic syndrome
 - The commensal balance graphic demonstrates the degree of dysbiosis compared to a healthy population

The Genova Diagnostics Difference

With greater than 30 years in laboratory science, Genova's laboratory staff brings extensive experience and expertise. Genova is the standard to which other laboratories (Mayo Clinic, Children's Hospital of Philadelphia, Quest, and ARUP) compare samples to ensure reproducibility and accuracy. Genova Diagnostics participates in many external proficiency testing programs.

Genova Diagnostics offers clients access to the Medical Affairs team for educational opportunities and patient-specific clinical test interpretation.



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