CDSA

Comprehensive Digestive Stool Analysis

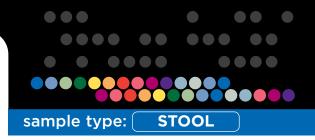**sample type:** **STOOL**

The **Comprehensive Digestive Stool Analysis (CDSA)** is Genova's original non-invasive evaluation of gastrointestinal function. This assay helps pinpoint imbalances, provides clues about current symptoms, and warns of potential problems should imbalances progress.

Digestive complaints are among the most common reasons that individuals seek medical care.

GI Indications for Testing:

- Indigestion
- Constipation
- Diarrhoea
- Gas and Bloating
- Infection
- Dysbiosis
- Abdominal pain
- Irritable Bowel Syndrome (IBS)

Recent evidence confirms that GI abnormalities may be associated with many conditions **outside of the GI tract.**

Extra-intestinal Indications for Testing:

- Arthritis
- Autoimmune disease
- Chronic Fatigue
- Fibromyalgia
- Antibiotic use
- Skin problems
- Osteoporosis
- Diabetes

The **CDSA** is comprised of the following clinically useful panels:

- **Digestion Markers**: An indirect evaluation of digestive function, providing insight into adequate digestive enzyme production and maldigestion. Markers include Chymotrypsin, Putrefactive Short Chain Fatty Acids (SCFAs), Meat Fibers and Vegetable Fibers.

- **Absorption Markers**: Elevated levels of the listed fatty acids may indicate maldigestion, malabsorption, altered transit time, and small bowel bacterial overgrowth. Markers include Long Chain Fatty Acids, Phospholipids, Cholesterol, Triglycerides and Total Faecal Fat.

- **Metabolic Markers**: These markers identify imbalances that are associated with increased toxic burden, small bowel bacterial overgrowth or severe inflammation. Abnormal levels are associated primarily with intestinal conditions, including potential risk for colorectal cancer. Markers include Beneficial SCFAs, n-Butyrate, Beta-Glucuronidase, pH, Fecal Lactoferrin, Macroscopic exam, and Occult blood.

- **Microbiology Markers**: Provides quantitative measures of the beneficial flora Lactobacillis and Bifidobacterium as well as additional aerobic flora as they present in culture. These include strict pathogenic bacteria and potentially pathogenic bacteria and yeast.

- **Parasitology**: (If ordered) - (EIA and microscopic evaluation) This evaluation demonstrates the highest documented recovery rates available (22% positivity rate). It quantifies all ova and parasites identified. Microscopic evaluation for yeast and blood cells is included.

- *Analytes:*
  Triglycerides
  chymo-trypsin
  Putrefactive SCFAs
  meat and
  vegetable fibers
  long chain fatty acids
  cholesterol
  total fecal fat
  total short chain fatty acids
  n-butyrate
  short chain fatty acid distribution
  beta glucuronidase
  pH
  bacterial and yeast cultures
  sensitivities as appropriate
  fecal lactoferrin
  macroscopic analysis
  Parasitology (if ordered)

- *Specimen Requirements:*
  5cc stool in each vial– Formalin and Cary/Blair

- *Before Taking this Test:*
  - Avoid antimicrobials, laxatives, and anti-diarrheals (for 3 days)
  - Avoid or reduce anti-inflammatories, digestive enzymes, and most pain relievers (for 2 days)
  - See instructions inside test kit for more details

- *Turn-Around Time:*
  14 Days

Genova Diagnostics® Europe

Innovative Testing for Optimal Health

For test kits, clinical support, or more information contact:

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More detailed publications with references are also available: **www.GDXuk.net**