



# Comprehensive Digestive Stool Analysis (CDSA)

The Comprehensive Digestive Stool Analysis (CDSA) is an advanced non-invasive diagnostic tool for assessing gastrointestinal function. As the CDSA combines a large number of tests that evaluate the function of the gastrointestinal tract, a comprehensive picture of a patient's gut health can be obtained. The analysis investigates digestion, metabolism, pancreatic function, the balance of beneficial bacteria and the presence of pathological bacteria, yeast and parasites. The CDSA level 2 test also reports on markers for Coeliac disease, gastric ulcers, Inflammatory Bowel Disease and colorectal cancer.

**Table 1: Symptoms and Conditions Associated with Abnormal Gastrointestinal Function**

Abdominal pain	Fatigue
Atopy	Food allergy and sensitivities
Autism	Gastrointestinal cancers
Bad breath	Headaches
Bloating	Inflammatory bowel disease
Brain fog	Irritable bowel syndrome
Chemical sensitivities	Maldigestion
Coeliac Disease	Multiple sclerosis
Dermatological conditions	Rheumatoid arthritis
Constipation	Schizophrenia
Depression	Ulcers
Diarrhea	Weight loss

**Seven different CDSA panels are available through Well Lab, which evaluate the following areas of gastrointestinal function:**

- Digestion & Metabolism
- Pancreatic Function
- Coeliac Disease
- Inflammation; Inflammatory Bowel Disease versus Irritable Bowel Syndrome
- H. Pylori, Gastritis, Peptic Ulcers and Gastric Cancer
- Colorectal Cancer
- Beneficial & Potentially Pathogenic Bacteria
- Yeast & Parasites

## Gastrointestinal Health:

The gastrointestinal tract has two main functions; **a) to digest and absorb important nutrients for the body's growth and function, and b) to act as a barrier to keep harmful solutes, luminal antigens and microorganisms from entering the blood.**

Within the gastrointestinal tract more than 500 different bacterial species, in excess of 10 organisms per gram of wet weight, can be detected. These bacteria also play a key role in digestion, nutrition, pathogen defence and immune system development.

When the function and interplay within this complex system is disturbed, ill-health can easily develop (see Table 1). Multiple areas can influence this fine balance including digestion, absorption, the location, number and specific species of bacteria, parasitic infection, as well as epithelial integrity and inflammation. Typical symptoms consist of diarrhoea, constipation, bloating, bad breath, abdominal pain, anemia, food sensitivities and osteoporosis (see Table 1). However, other conditions not typically recognised, but associated with gastrointestinal health, include chronic fatigue, depression, autism, atopy, arthritis and autoimmune disorders (see Table 1). These conditions may result from 'leaky gut' and the subsequent exposure to foreign particles which may trigger local and systemic immune and inflammatory mechanisms.

The CDSA can assist physicians develop earlier, more effective preventive interventions, improve the timing and precision of treatments, and reduce the risk of clinical relapse in certain groups of patients. It will also allow physicians to better evaluate and document the medical necessity for more invasive procedures, such as colonoscopy.

## Specimen Collection Requirements

Collect a stool sample in 1x C&S (white top) and 1x SAF (brown top) tube.

## Result Turnaround Time:

Two weeks after receipt of sample and test fee payment to Well Lab.

## How to Order a CDSA test kit:

Phone Customer Services on 03 2727 7434.

## Related Tests

- Calprotectin (Faecal)
- H. Pylori Test
- Intestinal Permeability Test
- M2 Pyruvate Kinase
- Organic Acid Intestinal Dysbiosis Test
- Parasitology Profile (Faecal)

## Technical support

Well Lab offers technical assistance by experienced clinical consultants.



**Phone 03- 2727 7434 for further details**  
[www.malaysialaboratory.com](http://www.malaysialaboratory.com)

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