



## CDSA LEVEL 2 - Test Code 2004



Turnaround Time: 7 business days



Specimen Type: Stool Kit

## Description

The CDSA Level 2 test provides an in-depth analysis of gut health, including macroscopic and microscopic descriptions of stool samples. It evaluates beneficial bacteria, other microorganisms such as yeasts and parasites, and antibiotic/natural agent susceptibilities for bacteria and yeasts. Using advanced culture techniques and MALDI-TOF mass spectrometry, the test precisely identifies microbial species, further supported by conventional biochemical methods.

In addition to microbial analysis, CDSA Level 2 also evaluates digestive, absorption, and metabolic markers. These include pH,  $\beta$ -glucuronidase, short-chain fatty acids (SCFAs), and pancreatic elastase (PE1), offering comprehensive insights into gastrointestinal function. Abnormal levels of these markers can indicate issues such as poor digestion, malabsorption, and altered gut microbiota composition (Kuziel & Rakoff-Nahoum, 2022). For example, low pancreatic elastase may point to pancreatic insufficiency, while decreased SCFAs can reflect dysbiosis or impaired bowel function (Kuziel & Rakoff-Nahoum, 2022).

This profile is essential for assessing digestive health, identifying metabolic dysfunctions, and guiding therapeutic interventions.

## Whats included?

- Macroscopic & Microscopic description
- Beneficial and other Bacteria
- Yeasts; Parasites
- Antibiotic/Natural agent susceptibilities (bacteria & yeasts only)
- Stool pH
- Beta-glucuronidase, SCFAs, PE1

## Conditions and Symptoms

- Abdominal pain
- Bloating
- Excessive flatulence or belching
- Loose or watery stools
- Constipation or infrequent bowel movements
- Heartburn
- Nausea and vomiting
- Changes in weight

## Complementary Testing

- Faecal DNA Multiplex PCR (Test code 2002)
- Zonulin (Test code 2023)

## Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories\*
- CLIA – Clinical Laboratories Improvement Amendments\*



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\*See NATA and CLIA website for further details