



CDSA LEVEL 4+ - Test Code 2008



Turnaround Time: 7 business days



Specimen Type: Stool Kit

Description

The CDSA Level 4+ panel is the most comprehensive CDSA panel for assessing gut health, offering an extensive evaluation of microbiome composition, digestive functions, and potential pathogens. This test incorporates macroscopic and microscopic descriptions, the identification of beneficial and harmful bacteria, yeasts, and parasites, and antibiotic/natural agent susceptibilities for bacteria and yeasts, determined through advanced methods like MALDI-TOF and conventional biochemistry.

Key markers such as stool pH, β -glucuronidase, short-chain fatty acids (SCFAs), and pancreatic elastase (PE1) provide insights into digestive function, absorption, and metabolic activity (Kuziel & Rakoff-Nahoum, 2022). The panel also includes important inflammation markers like calprotectin, M2PK, and transglutaminase IgA, as well as secretory IgA, which reflect immune function and gut barrier integrity (Li et al., 2020).

Moreover, *H. pylori* antigen testing is included, crucial for detecting *Helicobacter pylori* infection, which can cause gastritis and ulcers (Sharndama & Mba, 2022). The worm examination helps identify helminth infections, which can contribute to chronic gut symptoms and nutrient malabsorption. This highly detailed analysis is essential for individuals with persistent gastrointestinal symptoms, autoimmune conditions, or unexplained health issues, offering a comprehensive view of microbial, immune, and digestive health.

Whats included?

- Macroscopic & Microscopic description
- Beneficial and other Bacteria
- Yeasts; Parasites, *H. pylori* Antigen
- Antibiotic/Natural agent susceptibilities (bacteria & yeasts only)
- Stool pH, Beta-glucuronidase, SCFAs, PE1
- Transglutaminase IgA, Secretory IgA
- Calprotectin, M2PK
- Worm Examination

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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