



CDSA LEVEL 3+ - Test Code 2006



Turnaround Time: 7 business days



Specimen Type: Stool Kit

Description

The CDSA Level 3+ test provides a thorough analysis of gut health, building on the previous levels by including all aspects such as macroscopic and microscopic descriptions, identification of beneficial and other bacteria, yeasts, parasites, and antibiotic/natural agent susceptibilities for bacteria and yeasts. Advanced identification techniques like MALDI-TOF mass spectrometry and conventional biochemicals are used to precisely identify microbial species.

Along with digestive, absorption, and metabolic markers—such as stool pH, β -glucuronidase, short-chain fatty acids (SCFAs), and pancreatic elastase (PE1)—this level includes detection of *Helicobacter pylori* antigen, critical for diagnosing active infections and assessing the risk of gastritis and gastric cancer (Sharndama & Mba, 2022).

Additionally, the CDSA Level 3+ test includes the measurement of key markers such as Transglutaminase IgA (sensitivity/ coeliac disease), Calprotectin (inflammation), M2PK (a tumour/ ulcer marker), and secretory IgA (to assess mucosal immunity). The comprehensive nature of this test makes CDSA Level 3+ essential for assessing complex gastrointestinal health and detecting conditions ranging from infections to autoimmune diseases and malignancies.

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

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