

Technical Data

Kit Size	96 tests
Plate Format	Break Apart microwells
Sample Dilution	1:200
Quantitative Assay Timing	30 minutes + 30 minutes + 10 minutes
Standards	0, 6, 12.5, 25, 50 and 100 U/ml
Normal Values	Less than 7 U/ml
Typical CVs	12%
Quality Control	Positive and negative controls are included
Microplate Photometer	Optical Density read at 450nm
Product code	GD33

CagA Antibodies

The CagA IgG assay is an ELISA test for the quantitative detection of IgG specific antibodies to CagA protein

The Cag-A gene encodes for a family of high MW proteins (120kDa) and is present in approximately 60% of *H.Pylori* isolates. Antibody response to Cag-A protein is more frequently detected in patients with peptic ulcer disease compared to patients with gastritis alone. CagA protein has been determined to play an important role in the pathogenesis of peptic ulceration and is recognized a risk factor for the adenocarcinoma of the distal stomach.

Please note, the presence the IgG specific antibodies does not preclude the diagnosis of chronic gastritis. The serological findings should be confirmed by other tests on the biopsy samples of individuals suspected of having *H.pylori* infection. All the clinical signs and symptoms, and serological and histological results should be examined before making any decision regarding the disease state of the patient.

The Genesis assay uses recombinant CagA protein which is coated onto the surface of a microtitre plate. Shelf life is two years from manufacturing date.

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*Diagnos***tics**

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