

Technical Data

Kit Size	96 wells
Plate Format	'Break apart' wells
Sample Dilution	IgG 1:200 IgA Neat
Assay Timing	30/30/10 min at room temperature
Standards	IgG 0, 6.2, 12.5, 25, 50 & 100 U/ml IgA cut off calibrator
Normal Values	IgG < 6.25 U/ml IgA < cut off
Reagents	Colour coded and ready to use
Typical CVs	4 -12%
Quality Control	Positive and negative controls are included in the kit.
Microplate Photometer	Optical density read at 450nm
Product code	GD01

HpG Screen: *H pylori* IgG - Quantitative

The Genesis HpG Screen is a rapid ELISA method for the detection of IgG antibodies to *Helicobacter pylori*.

The anti-*H.pylori* ELISA kit uses an antigen preparation which has been partially purified to yield principally high molecular weight membrane proteins which are specific to *H.pylori*. The Genesis HpG Screen may be used for either the qualitative or quantitative determination of anti-*H.pylori* IgG.

H. pylori infection is a major causative factor in gastric and duodenal ulcers and other forms of gastritis, and in gastric cancer. The bacteria can be demonstrated by culture or by histological staining in 90% of affected patients. The distribution of the organism within the gut lining is patchy and can be missed during endoscopy.

Most patients with *H.pylori* infections exhibit a strong immune response. Locally, the antibodies are mostly of the IgA class but circulating antibodies are primarily IgG. The detection of serum antibodies to *H.pylori* constitutes an accurate, rapid and non-invasive method for diagnosing *H.pylori* infection.

Although the initial concentration of anti-*H.pylori* antibodies does not correlate with disease severity, several studies have confirmed that successful treatment can be monitored by studying the fall in serum levels of antibodies over a period of up to one year after the start of therapy.

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