

Test Update

From Your Laboratory Service Provider, PathGroup Labs

Testing Provided on Site for *H. pylori* IgA and IgG

Samuel Smith, MD Lab Director / Jeff Johnson, Clinical Lab Manager/
Crystal Davenport Lead Tech Special Chemistry

This change will take effect March 12, 2009

Overview and Clinical Utility:

Effective March 12, 2009, PathGroup Labs will begin performing *H. pylori* IgA and IgG testing in house. Gastritis and peptic ulcers are major illnesses that affect a significant number of individuals each year. Detection of IgA and IgG antibodies has been shown to provide more accurate information in testing for *H. pylori* infestation / infection.

Test Methodology:

The PYLORI DETECT IgA and IgG are qualitative enzyme immunoassay (EIA) kits for the detection of IgA and IgG antibodies against *H. pylori* in human serum.

H. pylori IgA:

New Test:	Previous Test:
Methodology: Qualitative EIA	Methodology: Semi-Quantitative ELISA
< 0.89: Negative	1.7 EV or less: Negative - No significant level of IgA antibody to <i>H. pylori</i> detected.
0.89 to 0.99: Equivocal	1.8-2.2 EV: Equivocal - Repeat testing in 10-14 days may be helpful.
= or > 1.00: Positive	2.3 EV or greater: Positive - IgA antibody to <i>H. pylori</i> detected, suggestive of active infection.
Units: ELISA VALUE	Units: EV

H. pylori IgG:

New Test:	Previous Test:
Methodology: Qualitative EIA	Methodology: Semi-Quantitative ELISA
< 0.89: Negative	1.7 EV or less: Negative - No significant level of IgG antibody to <i>H. pylori</i> detected.
0.89 to 0.99: Equivocal	1.8-2.2 EV: Equivocal - Repeat testing in 10-14 days may be helpful.
= or > 1.00: Positive	2.3 EV or greater: Positive - IgG antibody to <i>H. pylori</i> detected, suggestive of previous exposure or active infection.
Units: ELISA VALUE	Units: EV



Excellence in Pathology and Laboratory Services

Specimen Collection and Storage:

- 1) Collect specimen in a serum separator tube.
 - a) Allow serum tube to clot for 30 minutes.
Spin serum separator tube 10-15 minutes @ 3500 rpm.
- 2) Serum specimens are stable refrigerated for 3 days or frozen for 30 days.

CPT Code: 86677; 86677

Test Performed:

Tuesday and Thursday

Turnaround time:

1-4 days

Ordering:

HPA	H. pylori IgA AB, serum
HPG	H. pylori IgG AB, serum

Note: individually orderable

REFERENCES:

Pylori Detect IgA Test Instruction Manual

Pylori Detect IgG Test Instruction Manual

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227.