

TEST CHANGE

Gastric Parietal Cell Antibody, IgG

0050596, PCA

Specimen Requirements:

Patient Preparation:

Collect: Serum separator tube.

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum to an ARUP **standard transport tube**. ~~Standard Transport Tube~~. (Min: 0.25 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Urine or plasma. Contaminated, heat-inactivated, grossly hemolyzed, or severely lipemic specimens.

Remarks:

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles)

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay

Performed: **Sun, Tue, Thu**
~~Mon, Wed-Sat~~

Reported: 1-3 days

Note: Most patients with pernicious anemia have parietal cell antibodies. However, the fact that such antibodies are found with increased frequency in unaffected family members, as well as in patients with other autoimmune diseases, suggests these antibodies do not cause disease by themselves.

CPT Codes: 83516

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

In the context of vitamin B12 deficiency, the presence of gastric parietal cell antibodies (PCA) and/or intrinsic factor antibodies in association with macrocytic anemia is considered diagnostic for pernicious anemia (PA). However, the presence of gastric PCAs alone is not specific for PA. Gastric PCAs may occur with increased frequency in unaffected family members, a small percentage of healthy individuals, and patients with other autoimmune diseases, such as autoimmune thyroiditis.

Component	Interpretation
Parietal Cell Antibody, IgG	0.0-20.0 Units Negative 20.1-24.9 Units Equivocal 25.0 Units or greater Positive

Reference Interval:

Test Number	Components	Reference Interval
	Gastric Parietal Cell Antibody, IgG	24.9 Units or less