ARUP LABORATORIES | A nonprofit enterprise of the University of Utah and its Department of Pathology

Effective Date: November 13, 2023

TEST CHANGE

Deamidated Gliadin Peptide (DGP) Antibody, IgG

0051359, GLIADPEP G

Specimen Requirements:	
Patient Preparation:	
Collect:	Serum separator tube (SST).~~.~~
Specimen Preparation:	Separate serum from cells ASAP or within 2 hours of collection. Transport 1.0~~.5~~ mL serum. (Min: 0.5~~3~~ mL)
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	~~Plasma or other body fluids.~~ Contaminated, grossly hemolyzed, grossly icteric, or grossly lipemic ~~specimens~~.
Remarks:	
Stability:	After separation from cells: Ambient: 48 hours; Refrigerated: 1 week~~2 weeks~~; Frozen: 15 days~~1 year~~
Methodology:	Semi-Quantitative Particle-Based Multianalyte Technology (PMAT)~~Enzyme-Linked Immunosorbent Assay~~
Performed:	Sun-Sat
Reported:	1-2 days
Note:	The most sensitive and specific serologic test for celiac disease diagnosis is tissue transglutaminase (tTG) IgA isotype in individuals who produce sufficient total IgA. For individuals who are IgA deficient, testing for tTG and deamidated gliadin (DGP), IgG antibodies is recommended. Preferred initial screening test for celiac disease diagnosis is the reflexive cascade (ARUP test code 3016817). While ordering for celiac disease diagnosis, all serology tests should be performed while the patient is on a gluten-containing diet. Upon initiation of gluten-free diet, antibody titers decline in the treatment-responsive patients and the timeframe to normalize varies by case. If serology is negative and suspicion for celiac disease is strong, intestinal biopsy may still be warranted for establishing diagnosis.
CPT Codes:	86258
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

In individuals with low or deficient IgA, testing for tissue transglutaminase (tTG) and deamidated Gliadin (DGP) antibodies of the IgG isotype is performed. A positive tTG and/or DGP IgG antibody results indicate celiac disease, however, small intestinal biopsy is required to establish a diagnosis due to the lower accuracy of these markers, especially in patients without IgA deficiency.

Reference Interval:

Test Number	~~19 Units or less~~	~~Negative~~	Components	Reference Interval
	~~20-30 Units~~	~~Weak Positive~~		
	~~31 Units or greater~~	~~Positive~~		
			Deamidated Gliadin Peptide (DGP) Ab, IgG	0.00-4.99 FLU

Inserted Cells

Deleted Cells

Inserted Cells

Inserted Cells

HOTLINE NOTE: There is a reflexive pattern change associated with this test. One or more orderable or component has been added or removed to the reflexive pattern. Refer to the Hotline Test Mix for interface build information.

HOTLINE NOTE: There is a numeric map change associated with this test. Refer to the Hotline Test Mix for interface build information.

HOTLINE NOTE: There is a unit of measure change associated with this test. Refer to the Hotline Test Mix for interface build information.