



Excellence in Pathology and Laboratory Services

Test Panel Update

From Your Laboratory Service Provider, PathGroup Labs

Testing Change for Celiac Disease Evaluation

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This change will take effect March 29, 2010

Overview and Clinical Utility:

Celiac disease is an inherited, autoimmune disease in which the lining of the small intestine is damaged from eating gluten and other proteins found in wheat, barley, rye, and possibly oats. Patients with Celiac Disease have higher than normal levels of certain autoantibodies in their blood. Total IgA, Tissue transglutaminase IgA (tTG IgA), Gliadin IgA, and Gliadin IgG are ordered to help rule out Celiac Disease. Celiac Disease patients with IgA deficiency may exhibit decreased levels of tTG IgA and Gliadin IgA. For this reason, patients with decreased IgA levels will reflex to tTG IgG as recommended by the American Celiac Disease Alliance. The Celiac Panel has changed eliminating the Endomysial antibody (EMA) by IFA because the assay is subjective and has equivalent diagnostic performance to the tTG IgA assay. Reticulin antibodies should be considered an obsolete assay for the diagnosis of Celiac Disease.

Test code CDAE (Celiac Disease Autoantibodies Evaluation) will be discontinued and replaced with test code CDE (Celiac Disease Evaluation).

Test Methodology: Turbidimetric, EIA

Ordering:

Test Code Test Name

CDE	Celiac Disease Evaluation (formerly Celiac Disease Autoantibodies Evaluation)
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New Test Panel:

Methodology: Turbidimetric, EIA			
Test Code	Test Name	CPT	LOINC
TGIA	IgA Ab(mg/dL) w/ Reflex to Tissue Transglutaminase IgG (U/mL)	82784 w/ reflex 83516	2458-8 w/ reflex to 32998-7
TGAA	Tissue Transglutaminase IgA Ab (U/mL)	83516	31017-7
GAA	Gliadin IgA Antibody (U/mL)	83516	6924-5
GGA	Gliadin IgG Antibody (U/mL)	83516	5170-6

Previous Test Panel:

Methodology: ELISA, IFA			
Test Code	Test Name	CPT	LOINC
RAAB	Reticulin IgA Abs (Units) w/Reflex to Titer	86255	17522-4
TGRE	Tissue Transglutaminase IgA Ab w/reflex to endomysial (Units)	83516 w/ reflex 83516	31017-7 w/ reflex to 27038-9
GAA	Gliadin Peptide (DGP) IgA Abs (Units)	83516	20495-8
GGA	Gliadin Peptide (DGP) IgG Abs (Units)	83516	20496-6



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Specimen Collection and Storage:

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

Test Performed:

Monday – Wednesday - Friday

Turnaround time:

2 – 4 Days

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