

# Legacy Laboratory Services

## Legacy Lab Alert

June, 2021

An Important Update from Legacy Laboratory Services

### Update: Celiac Disease Components – Change in Methodology

**Effective June 8, 2021**, Legacy Laboratory Services will change the method for performing Celiac Testing components TTG IgA, TTG IgG, Gliadin IgA and Gliadin IgG from the INOVA Enzyme-Linked Immunosorbent Assay to the automated INOVA Chemiluminescent Immunoassay performed on the Bioflash Analyzer. Reportable units will also change; therefore, quantitative values between the ELISA and Chemiluminescent methods should not be compared for clinical purposes. Qualitative results are comparable between methods. Endomysial IgA screen (EMA) and Immunoglobulin-A components of celiac testing will not change methodology. Changes are summarized in Table 1 in red.

#### Overview of changes:

1. Frozen specimens will not be acceptable.
2. Refrigerated stability will increase from two (2) to seven (7) days.
3. Measurement units will change from Units to Chemiluminescent Units.
4. Testing will be performed five (5) days a week instead of three (3) days a week.

**Table 1.** Changes related to testing for celiac disease and related conditions.

Name	NEW (Starts 6/8/2021)	Current (Ends 6/7/2021)
	Test Name	Test Name
Test	TTG IgA, TTG IgG, Gliadin IgA, Gliadin IgG	TTG IgA, TTG IgG, Gliadin IgA, Gliadin IgG
Mnemonic	CELIACDP, TTG IGA, TTG IGA R, TTG IGG, GLIADIN	CELIACDP, TTG IGA, TTG IGA R, TTG IGG, GLIADIN
Collect	Serum, one gold (SST) top tube	Serum, one gold (SST) top tube
Handling	Allow to clot. Centrifuge and separate serum from cells immediately. Pour into tubes and refrigerate. Do not freeze.	Allow to clot. Centrifuge and separate serum from cells immediately. Pour into tubes and refrigerate. Freeze at -20°C if specimen cannot be assayed within 48 hours.
Preferred Volume	3.0 mL	3.0 mL
Minimum Volume	2.0 mL	2.0 mL

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Name	NEW (Starts 6/8/2021)				Current (Ends 6/7/2021)	
	Test Name				Test Name	
<b>Transport</b>	Refrigerated (2-8°C)				Refrigerated (2-8°C)	
<b>Rejection Criteria</b>	Frozen. Plasma, microbially contaminated, heat-treated or specimens containing visible particulates, specimens grossly hemolyzed or lipemic should be avoided.				Plasma, microbially contaminated, heat-treated or specimens containing visible particulates, specimens grossly hemolyzed or lipemic should be avoided.	
<b>Stability</b>	<b>Analyte</b>	<b>Room Temp (18-26°C)</b>	<b>Refrigerated (2-8°C)</b>	<b>Frozen (≤-20°C)</b>	<b>ALL COMPONENTS:</b> Ambient (20-25°C): 8 hours; Refrigerated (2-8°C): 2 days; Frozen (at or below 2-20°C): 2 months.	
	TTG IgA	8 hours	7 days	Unacceptable		
	TTG IgG	8 hours	7 days	2 weeks		
	Gliadin IgA	8 hours	7 days	3 weeks		
	Gliadin IgG	8 hours	7 days	3 weeks		
<b>Reference Ranges</b>	Analyte	Reference Range			Analyte	Reference Range
	Gliadin IgG	< 20 Chemiluminescent Units (CU)			Gliadin IgG	< 20 Units
	Gliadin IgG	< 20 Chemiluminescent Units (CU)			Gliadin IgG	< 20 Units
	TTG IgA	< 20 Chemiluminescent Units (CU)			TTG IgA	< 20 Units
	TTG IgG	< 20 Chemiluminescent Units (CU)			TTG IgG	< 20 Units
<b>Performed</b>	Monday - Friday				Mon, Wed, Fri	
<b>Reported</b>	3-5 days				3-5 days	
<b>Method</b>	Chemiluminescent Immunoassay and Immunofluorescent Assay				Enzyme-linked immunosorbent Assay and Immunofluorescent Assay	

For additional information, please contact your account representative, client services or consult our website:

Legacy Laboratory Client Services: 503.413.1234 or 877.270.5566, [www.legacyhealth.org/labservices](http://www.legacyhealth.org/labservices)  
 or Legacy Laboratory Dispatch: 503.413.5200