ARUP LABORATORIES | aruplab.com
500 Chipeta Way, Salt Lake City, Utah 84108-1221
phone: 801-583-2787, toll free: 800-522-2787
Jonathan R. Genzen, MD, PhD, Chief Medical Officer

PATIENT REPORT

Patient Age/Sex: 20 years Unknown

Specimen Collected: 2/4/2025 15:33 MST

Celiac Disease Reflex Cascade	**Received: 2/4/2025 15:35 MST**		**Report/Verified: 2/4/2025 16:07 MST**
Procedure	**Result**	**Units**	**Reference Interval**
Tissue Transglutaminase (tTG) Ab,IgA	<1.02 f1 i1	FLU	[0.00-4.99]
Gliadin Peptide Antibody, IgA	**Received: 2/4/2025 15:35 MST**		**Report/Verified: 2/4/2025 16:07 MST**
Procedure	**Result**	**Units**	**Reference Interval**
Deamidated Gliadin Peptide (DGP) Ab,IgA	<0.72 f2 i2	FLU	[0.00-4.99]
Immunoglobulin A	**Received: 2/4/2025 15:35 MST**		**Report/Verified: 2/4/2025 16:10 MST**
Procedure	**Result**	**Units**	**Reference Interval**
Immunoglobulin A	67 L f3	mg/dL	[68-408]
Gliadin Peptide Antibody, IgG	**Received: 2/4/2025 15:35 MST**		**Report/Verified: 2/4/2025 16:11 MST**
Procedure	**Result**	**Units**	**Reference Interval**
Deamidated Gliadin Peptide (DGP) Ab,IgG	4.99 i3	FLU	[0.00-4.99]
Tissue Transglutaminase Antibody, IgG	**Received: 2/4/2025 15:35 MST**		**Report/Verified: 2/4/2025 16:11 MST**
Procedure	**Result**	**Units**	**Reference Interval**
Tissue Transglutaminase Antibody,IgG	4.99 i4	FLU	[0.00-4.99]

Result Footnote

f1: Tissue Transglutaminase (tTG) Ab, IgA
Tissue transglutaminase, IgA antibody below lower limit of detection. Deamidated gliadin peptide, IgA test to follow.

f2: Deamidated Gliadin Peptide (DGP) Ab, IgA
Low IgA antibody levels suspected. Immunoglobulin A test to follow.

f3: Immunoglobulin A
IgA levels are below age-specific reference range. Tissue transglutaminase, IgG and deamidated gliadin peptide, IgG tests to follow.

Test Information

i1: Tissue Transglutaminase (tTG) Ab, IgA
INTERPRETIVE INFORMATION: Tissue Transglutaminase (tTG) Antibody, IgA
Presence of the tissue transglutaminase (tTG) IgA antibody is associated with gluten-sensitive enteropathies such as celiac disease and dermatitis herpetiformis. Individuals with positive results should be confirmed with small intestinal biopsy to establish celiac disease diagnosis. tTG IgA antibody concentrations greater than 50 FLU exhibits higher correlation with results of duodenal biopsies consistent with celiac disease. For antibody concentrations greater than or equal to 5 FLU but less than 10 FLU, additional testing for endomysial (EMA) IgA concentrations may improve the positive predictive value for disease. A decrease in tTG IgA antibody

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

Test Information

i1: Tissue Transglutaminase (tTG) Ab, IgA
concentration after initiation of a gluten-free diet may indicate a response to therapy.

i2: Deamidated Gliadin Peptide (DGP) Ab, IgA
INTERPRETIVE INFORMATION: Deamidated Gliadin Peptide (DGP) Ab, IgA

A positive deamidated gliadin (DGP) IgA antibody result is associated with celiac disease but is not to be used as an initial screening test due to its low specificity and only occasional positivity in celiac disease patients who are negative for tissue transglutaminase (tTG) IgA antibody.

i3: Deamidated Gliadin Peptide (DGP) Ab, IgG
INTERPRETIVE INFORMATION: Deamidated Gliadin Peptide (DGP) Ab, IgG

In individuals with low or deficient IgA, testing for tissue transglutaminase (tTG) and deamidated Gliadin (DGP) antibodies of the IgG isotype is performed. 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.

i4: Tissue Transglutaminase Antibody,IgG
INTERPRETIVE INFORMATION: Tissue Transglutaminase Ab, IgG

In individuals with low or deficient IgA, testing for tissue transglutaminase (tTG) and deamidated Gliadin (DGP) antibodies of the IgG isotype is performed. 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.