

Laboratory Test Update

Date: 12/5/2023

RE: Celiac Disease Reflexive Cascade

The purpose of this communication is to notify providers of a recent update to the Celiac Disease Reflexive Cascade, performed at ARUP.

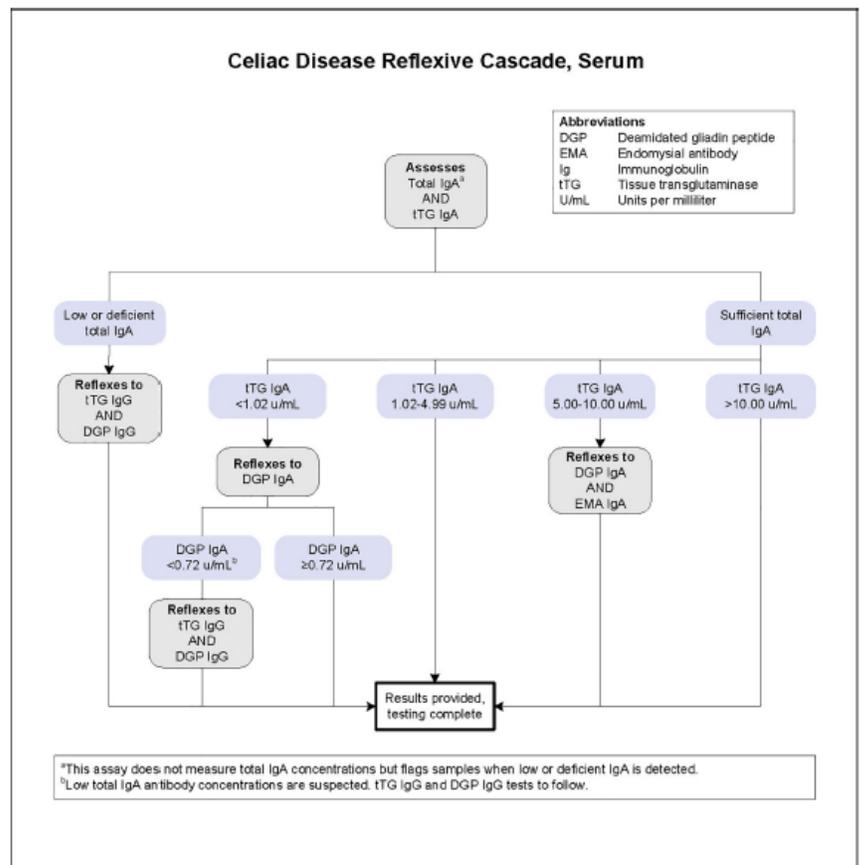
- The reflexive cascade still begins with the assessment of Immunoglobulin A (IgA) levels.

- However, the assay does not measure and report the actual IgA concentration in Epic. Low or deficient IgA detected in the sample at ARUP automatically determines the sample pathway in the reflexive algorithm (see diagram).

- In the presence of low or deficient IgA (not reported), tTG IgG and DGP IgG antibody testing will be added automatically.

- If tTG IgA antibody result is negative, then no further testing will be performed.

- If tTG IgA antibody is weak or moderate positive with results greater than 5 FLU but less than 10 FLU, additional testing for endomysial (EMA) IgA and deamidated gliadin Peptide (DGP) Antibody, IgA antibodies will be added and reported.



- If tTG IgA antibody is positive with results greater than 10 FLU, then no further testing will be performed.
- If both tTG IgA (<1.02 FLU) and DGP IgA (<0.72 FLU) results are below the limit of detection, then tTG IgG and deamidated gliadin IgG antibody testing will be added even in the absence of IgA control flag due to a suspected low IgA state in the patient.

December 2023