Celiac Disease Serology Cascade
Test Algorithm

CDSP / Celiac Disease Serology Cascade, Serum Testing begins with:
- Immunoglobulin A (IgA)

Normal or elevated IgA
- Tissue transglutaminase, antibody, IgA

Deficient IgA (<1 mg/dL)

Low IgA
- (≥1 mg/dL but below the age-matched reference values)
  - Tissue transglutaminase antibodies, IgA and IgG profile
  - Gliadin (deamidated) antibodies evaluation, IgG and IgA

Selective IgA deficiency
  - Tissue transglutaminase antibody, IgG
  - Gliadin (deamidated) antibody, IgG

WEAK POSITIVE
(4.0–10.0 U/mL)
- Endomysial antibodies (IgA)
- Gliadin (deamidated) antibody, IgA

POSITIVE or NEGATIVE
(>10.0 U/mL or <4.0 U/mL)
- Serum IgA
- Tissue transglutaminase antibody, IgA
- Endomysial antibody, IgA
- Gliadin (deamidated) antibody, IgA
- Interpretive comments

Interpretive report includes:
- Serum IgA
- Tissue transglutaminase antibody, IgA
- Endomysial antibody, IgA
- Gliadin (deamidated) antibody, IgA
- Interpretive comments