Celiac Disease Serology Cascade

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
  - Gliadin (deamidated) antibodies evaluation, IgG and IgA

Selective IgA deficiency
- Tissue transglutaminase (tTG) 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)
- Endomysial antibodies (IgA)
- Gliadin (deamidated) antibody, IgA

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

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- Serum IgA
- Tissue transglutaminase antibodies, IgA and IgG
- Gliadin (deamidated) antibodies, IgA and IgG
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- Serum IgA
- Tissue transglutaminase antibody, IgG
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