
Reporting Title: Celiac Disease Gluten-Free Cascade**Performing Location:** Rochester**Ordering Guidance:**

This cascade should not be used in patients for whom human leukocyte antigen (HLA) DQ2/DQ8 typing has already been performed. For individuals who are positive for either DQ2 and/or DQ8, CDSP / Celiac Disease Serology Cascade, Serum should be ordered to assess for the presence of autoantibodies associated with celiac disease. For individuals who are negative for DQ2 and DQ8, no further testing is necessary as a diagnosis of celiac disease is unlikely.

Cascade testing is recommended for celiac disease. Cascade testing ensures that testing proceeds in an algorithmic fashion. The following cascades are available; select the appropriate one for your specific patient situation.

- CDCOM / Celiac Disease Comprehensive Cascade, Serum and Whole Blood: Complete testing including HLA DQ
- CDSP / Celiac Disease Serology Cascade, Serum: Complete serology testing excluding HLA DQ
- CDGF / Celiac Disease Gluten-Free Cascade, Serum and Whole Blood: For patients already adhering to a gluten-free diet

To order individual tests, see Celiac Disease Diagnostic Testing Algorithm

Specimen Requirements:

Both whole blood and serum are required.

Specimen Type: Whole Blood

Container/Tube: Yellow top (ACD solution A or B)

Specimen Volume: 6 mL

Collection Instructions: Send whole blood in original tube. Do not aliquot.

Specimen Type: Serum

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 2 mL

Collection Instructions: Centrifuge and aliquot serum into plastic vial

Specimen Minimum Volume:

Blood: 3 mL

Serum: 1.5 mL

Forms:

If not ordering electronically, complete, print, and send Gastroenterology and Hepatology Test Request (T728) with the specimen

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	21 days	
	Frozen	21 days	
Whole Blood ACD-B	Refrigerated (preferred)		
	Ambient		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
DQA	DQ alpha 1 Also used by tests: CELI, CELI2	Alphanumeric		94495-9
DQB	DQ beta 1 Also used by tests: CELI2, CELI	Alphanumeric		53938-7
CELIG	Celiac gene pairs present? Also used by tests: CELI, CELI2	Alphanumeric		48767-8
28991	Celiac Disease Interpretation	Alphanumeric		69048-7

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
CELI2	HLA-DQ Typing			Yes	Yes (Order CELI)
CDGF1	Celiac Disease Interpretation			Yes	No

CPT Code Information:

81376 x 2
 82784 (if appropriate)
 86258 (if appropriate)
 86364 (if appropriate)
 86231 (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
TTGA	Tissue Transglutaminase Ab, IgA, S			No	Yes
DAGL	Gliadin(Deamidated) Ab, IgA, S			No	Yes
DGGL	Gliadin(Deamidated) Ab, IgG, S			No	Yes
TTGG	Tissue Transglutaminase Ab, IgG, S			No	Yes
IGA	Immunoglobulin A (IgA), S			No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
TTGA	TTGA	Tissue Transglutaminase Ab, IgA, S	Numeric	U/mL	46128-5
DAGL	DAGL	Gliadin(Deamidated) Ab, IgA, S	Numeric	U	47393-4
DGGL	DGGL	Gliadin(Deamidated) Ab, IgG, S	Numeric	U	47394-2
TTGG	TTGG	Tissue Transglutaminase Ab, IgG, S	Numeric	U/mL	56537-4
IGA	IGA	Immunoglobulin A (IgA), S	Numeric	mg/dL	2458-8

Reference Values:

HLA-DQ TYPING

Presence of HLA-DQ2 or HLA-DQ8 alleles associated with celiac disease