

Reporting Title: CDG, S
Performing Location: Rochester

Ordering Guidance:
This test is for congenital disorders of glycosylation. If the ordering provider is looking for evaluation of alcohol abuse, order CDTA / Carbohydrate Deficient Transferrin, Adult, Serum.

If either PMM2-CDG (CDG-Ia) or MPI-CDG (CDG-Ib) is suspected, order PMMIL / Phosphomannomutase and Phosphomannose Isomerase, Leukocytes.

- Necessary Information:**
- 1. Patient's age is required.
 - 2. Reason for testing is required.

Specimen Requirements:
Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 0.1 mL
Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

- Forms:**
- 1. [Congenital Disorders of Glycosylation \(CDG, CDGN, OLIGU\) Patient Information](#)
 - 2. If not ordering electronically, complete, print, and send a [Biochemical Genetics Test Request](#) (T798) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum	Frozen (preferred)	45 days	
	Refrigerated	28 days	
	Ambient	7 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CDG	BG160	Reason for Referral: <ul style="list-style-type: none">• Developmentally delayed• Congenital disorders of glycosylation• Follow-up of known patient with CDG• Evaluation of alcohol abuse - change test to 82425 (CDTA) Carb Def Transferrin, Adult, S	Answer List	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
BG160	Reason for Referral	Alphanumeric		42349-1
31721	Mono-oligo/Di-oligo Ratio	Alphanumeric		35469-6
31720	A-oligo/Di-oligo Ratio	Alphanumeric		35475-3
50820	Interpretation	Alphanumeric		53808-2
50822	Reviewed By	Alphanumeric		18771-6
34474	Tri-sialo/Di-oligo Ratio	Alphanumeric		90420-1
34476	Apo CIII-1/Apo CIII-2 Ratio	Alphanumeric		90421-9
34475	Apo CIII-0/Apo CIII-2 Ratio	Alphanumeric		90419-3

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82373

Reference Values:

Ratio	Normal	Indeterminat e	Abnormal
Transferrin mono-oligo/di-oligo ratio	< or =0.06	0.07-0.09	> or =0.10
Transferrin A-oligo/di-oligo ratio	< or =0.011	0.012-0.021	> or =0.022
Transferrin tri-sialo/di-oligo ratio	< or =0.05	0.06-0.12	> or =0.13
Apo CIII-1/Apo CIII-2 ratio	< or =2.91	2.92-3.68	> or =3.69
Apo CIII-0/Apo CIII-2 ratio	< or =0.48	0.49-0.68	> or =0.69