

**CARBOHYDRATE DEFICIENT TRANSFERRIN, ADULT, SERUM  
#82425**

**USEFUL FOR:** Evaluation of alcohol abuse.

**NOTE:** This test was previously available under test code #82414, which will become obsolete on December 8, 2009.

**METHODOLOGY:** Affinity Chromatography/Mass Spectrometry (MS)

**REFERENCE VALUES:**

MONO-OLIGOSACCHARIDE/DI-OLIGOSACCHARIDE < or = 0.10

**SPECIMEN REQUIREMENTS:** Draw blood in a plain, red-top tube(s) or a serum gel tube(s). Spin down and send 0.1 mL of serum frozen in a plastic vial. **NOTE: Patient's age is required on request form for processing.**

**CAUTION:** Carbohydrate Deficient Transferrin (CDT) testing alone is not recommended for general screening for alcoholism. The transferrin isoform pattern in patients with chronic alcoholism is similar, although not as strikingly abnormal to that observed in Congenital Disorders of Glycosylation (CDG). Conditions such as hereditary fructose intolerance, galactosemia, and other genetic or non-genetic causes of liver disease may also result in increased levels of CDT.

**MINIMUM VOLUME:** 0.05 mL

**LIST FEE:** \$ 228.90

**CPT CODE:** 82373

**ANALYTIC TIME:**

3 days, not reported on Saturday or Sunday

**DAY(S) SET-UP:**

Monday, Wednesday, Friday; 8:00 a.m.

**QUESTIONS:** Contact your Mayo Medical Laboratories' Regional Manager or Sara Siewert, Mayo Medical Laboratories' Technologist Support  
Telephone: 800-533-1710



**MAYO CLINIC**  
 Mayo Medical Laboratories

# TEST DEFINITION

10/30/2009

ORDER CODE	EFF DATE	TC	TITLE	CHECKING NORMALS	PRINT NORMALS (# CODED)	PERFORM SITE *
82425	10/26/2009		CARB DEF TRANSFERRIN, ADULT, S			MCR
			TRANSPORT TEMP : FROZEN\REFRIG NO\AMBIENT NO			
		31714	MONO-OLIGO/DI-OLIGO RATIO			
			EXPECT RESULTS OF FORM : SHOULD BE 1 DIGIT PLUS 2 DECIMAL PLACES			
			NO SEX			
			ALL AGES : 0-0.12		; #N31714	
			MALE			
			ALL AGES : 0-0.12		; #N31714	
			FEMALE			
			ALL AGES : 0-0.12		; #N31714	
		31715	INTERPRETATION			

\*PERFORMING SITE LEGEND

MCR MAYO CLINIC DPT OF LAB MED & PATHOLOGY  
 200 FIRST STREET SW  
 ROCHESTER, MN 55905

LAB DIRECTOR: FRANKLIN R. COCKERILL, III, M.D.

\*\*\* END OF REPORT \*\*\*

MML MESSAGES USED AS NORMALS

CODE	TEXT
N31714	0.00-0.10
	0.11-0.12 INDETERMINATE

TOTAL OF 1 NORMALS CODES

\*\*\* END OF REPORT \*\*\*

1-800-533-1710

<b>PATIENT NAME</b> TESTING, CDTA		<b>PATIENT NUMBER</b>		<b>AGE</b> 40Y	<b>SEX</b> F	<b>ACCESSION #</b> G9139204
<b>ORDERING PHYSICIAN</b>		<b>CLIENT ORDER #</b>				<b>ACCOUNT #</b> LIAISONS
<b>COLLECTION</b> 10/29/09 03:32 P	<b>RECEIVED</b> 10/29/09 03:32 P	<b>REPORT PRINTED</b> 10/30/09 11:57 A		<b>SPECIMEN INFORMATION</b> DATE OF BIRTH:		
<b>DATE</b> <b>TIME</b>	<b>DATE</b> <b>TIME</b>	<b>DATE</b> <b>TIME</b>				
Test Client Attn: Mayo Liaisons 200 First Street SW Rochester, MN 55905 507-284-8202						

TEST REQUESTED	HI	LO	REF RANGE	PERFORM SITE *
----------------	----	----	-----------	----------------

**Carb Def Transferrin, Adult, S**

Mono-oligo/Di-oligo Ratio	0.12	MCR
---------------------------	------	-----

-- EXPECTED VALUES --

0.00-0.10

0.11-0.12 Indeterminate

<b>Interpretation</b>	MCR
-----------------------	-----

These results are slightly elevated and may indicate an abnormality in transferrin glycosylation. Patients with liver disease of any etiology (including chronic alcoholism) may develop abnormally glycosylated transferrin isoforms. Please note that this assay has not been fully evaluated for the investigation of alcoholism. The determination of transferrin glycoforms is primarily used for the detection of one of the congenital disorders of glycosylation (CDG).

## \* PERFORMING SITE

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.
-----	---	--

<b>PATIENT NAME</b> TESTING, CDTA	<b>ORDER STATUS</b> Final	<b>COLLECTION DATE AND TIME</b> 10/29/09 03:32 P
--------------------------------------	------------------------------	---