

## Overview

### Useful For

Aiding in the diagnosis of collagenofibrotic glomerulopathy

### Reflex Tests

Test Id	Reporting Name	Available Separately	Always Performed
MLCPC	Microdissection, Laser Capture	No, (Bill Only)	No
MSPTC	Mass Spectrometry	No, (Bill Only)	No

### Method Name

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

### NY State Available

Yes

## Specimen

### Specimen Type

Special

### Necessary Information

Preliminary pathology report and history are required.

### Specimen Required

**Supplies:** Pathology Packaging Kit (T554)

**Specimen Type:** Formalin-fixed, paraffin-embedded kidney tissue block

**Collection Instructions:** Do not send fixed tissue slides. Testing can only be done on paraffin-embedded tissue blocks.

### Reject Due To

Fixed tissue slides Wet/frozen tissue Cytological smears Nonformalin fixed tissue Nonparaffin embedded tissue	Reject
---	--------

### Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Special	Ambient (preferred)		
	Frozen		
	Refrigerated		

## Clinical & Interpretive

### Clinical Information

Collagenofibrotic glomerulopathy (CG) also called collagen type III glomerulopathy, is a rare kidney disease characterized by large amounts of atypical type III collagen fibrils in the mesangium and subendothelial space of renal glomeruli. Liquid chromatography-tandem mass spectrometry performed on microdissected glomeruli from patients with CG demonstrates a unique proteomic profile. The presence of type III collagen, in the appropriate clinical and pathological context, can be useful to establish a diagnosis of CG.

### Interpretation

An interpretation will be provided.

### Cautions

No significant cautionary statements

### Clinical Reference

- Chen X, Wan H, Xu W, Zhu J: Collagen type III glomerulopathy: Case report and review of the literature. *Clin Nephrol.* 2017 Jan;87:39-46. doi: 10.5414/CN108907
- Dong J, Wei H, Han M, Guan Y, Wu Y, Li H: Collagen type III glomerulopathy: A case report and review of 20 cases. *Exp Ther Med.* 2015 Oct;10(4):1445-1449. doi: 10.3892/etm.2015.2695
- Kurien AA, Larsen CP, Cossey N: Collagenofibrotic glomerulopathy. *Clin Kidney J.* 2015 Oct;8(5):543-547. doi: 10.1093/ckj/sfv061
- Cohen AH: Collagen Type III Glomerulopathies. *Adv Chronic Kidney Dis.* 2012 Mar;19(2):101-106. doi: 10.1053/j.ackd.2012.02.017
- Duggal R, Nada R, Rayat CS, Rane SU, Sakhuja V, Joshi K: Collagenofibrotic glomerulopathy - a review. *Clin Kidney J.* 2012 Feb;5(1):7-12. doi: 10.1093/ndtplus/sfr144

## Performance

### Method Description

Affected areas are removed from paraffin-embedded tissues by laser microdissection. Protein digestion is performed, followed by liquid chromatography-tandem mass spectrometry.(Unpublished Mayo method)

### PDF Report

No

**Day(s) Performed**

Monday through Friday

**Report Available**

7 to 15 days

**Specimen Retention Time**

Until reported

**Performing Laboratory Location**

Rochester

**Fees & Codes****Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

**Test Classification**

This test was developed, and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the US Food and Drug Administration.

**CPT Code Information**

82542

88380

**LOINC® Information**

Test ID	Test Order Name	Order LOINC® Value
MSCG	CG Confirm, LC MS	65757-7

Result ID	Test Result Name	Result LOINC® Value
615299	Interpretation	50595-8
615300	Participated in the Interpretation	No LOINC Needed
615301	Report electronically signed by	19139-5
615302	Material Received	81178-6
615303	Disclaimer	62364-5
615304	Case Number	80398-1
617019	Gross Description	22634-0
617020	Addendum	35265-8