

Immunoglobulin G (IgG) Subtypes Immunofluorescence, Tissue

#### Overview

#### **Useful For**

<u>Determining the subclass of IgG antibody found in renal immunofluorescent panel</u> and determining if the deposits are monoclonal or monotypic

#### **Special Instructions**

- Renal Biopsy Patient Information
- Renal Biopsy Preparation Instructions

#### **Method Name**

Direct Immunofluorescence

#### **NY State Available**

Yes

## **Specimen**

## **Specimen Type**

Special

# **Ordering Guidance**

If additional interpretation/analysis is needed, request PATHC / Pathology Consultation along with this test and send the corresponding renal pathology light microscopy and immunofluorescence (IF) slides (or IF images on a CD), electron microscopy images (prints or CD), and the pathology report.

# **Shipping Instructions**

- 1. Advise shipping frozen specimens (unstained slides or tissue block) in Styrofoam transportation coolers filled with dry ice to ensure specimens are received at required specimen stability temperature.
- 2. Attach the green "Attention Pathology" address label (T498) to the outside of the transport container before putting into the courier mailer.

## **Necessary Information**

A pathology/diagnostic report is required.

# Specimen Required

Submit only 1 of the following specimens:

# **Preferred:**

Specimen Type: Unstained slides (unfixed)



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**Source:** Kidney tissue **Slides:** 4 Slides

Collection Instructions: 4 frozen tissue unstained positively charged glass slides (25- x 75- x 1-mm) per test ordered;

sections 4-microns thick, centered on the slide, and submitted on dry ice.

Acceptable:

Specimen Type: Unfixed tissue block (O.C.T)

Source: Kidney tissue

Specimen Volume: Entire specimen

**Collection Instructions:** 

1. Embed in O.C.T. compound.

2. Freeze specimen and ship on dry ice.

Acceptable:

Specimen Type: Wet tissue

Source: Kidney tissue

Supplies: Renal Biopsy Kit (T231)

Container/Tube: Renal Biopsy Kit, Zeus/Michel's

Specimen Volume: Entire specimen

**Collection Instructions:** 

- 1. Collect specimens according to the instructions in Renal Biopsy Preparation Instructions.
- 2. If standard immunoglobulin and complement immunofluorescence has already been performed, submit the residual frozen tissue (must contain glomeruli) on dry ice.

#### **Forms**

- 1. Renal Biopsy Patient Information
- 2. If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:
- -Kidney Transplant Test Request
- -Renal Diagnostics Test Request (T830)

## Reject Due To

All specimens will be evaluated at Mayo Clinic Laboratories for test suitability

## **Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
Special	Frozen		

## Clinical & Interpretive

# **Clinical Information**

IgG subtypes are helpful in confirming some disease processes affecting the kidney.



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#### **Reference Values**

An interpretive report will be provided.

# Interpretation

Staining intensity is graded as negative (0), weak (trace, 1+), moderate (2+) and strong (3+) and will be reported as such when not accompanied by a pathology consultation request.

If additional interpretation or analysis is needed, request PATHC / Pathology Consultation along with this test and provide the corresponding renal pathology light

# **Cautions**

No significant cautionary statements

#### **Clinical Reference**

Hemminger J, Nadasdy G, Satoskar A, Brodsky SV, Nadasdy T. IgG subclass staining in routine renal biopsy material. Am J Surg Pathol. 2016;40(5):617-626

## **Performance**

# **Method Description**

Direct immunofluorescence staining on sections of fresh or frozen tissue.(Unpublished Mayo method)

#### **PDF Report**

No

# Day(s) Performed

Monday through Friday

# Report Available

1 to 2 days

#### **Specimen Retention Time**

Unstained slides: 2 weeks after results are reported; Stained slides: digital images are obtained for all slides used in testing and kept indefinitely; Unfixed tissue blocks: 5 years

## **Performing Laboratory Location**

Mayo Clinical Laboratories- Rochester Main Campus

## **Fees & Codes**

# Fees



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- Authorized users can sign in to <u>Test Prices</u> for detailed fee information.
- Clients without access to Test Prices can contact <u>Customer Service</u> 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact <u>Customer Service</u>.

#### **Test Classification**

This test has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

#### **CPT Code Information**

88346-Primary IF 88350-If additional IF

## **LOINC®** Information

Test ID	Test Order Name	Order LOINC® Value
SUBIF	IGG Subtypes Immunofluorescence	In Process

Result ID	Test Result Name	Result LOINC® Value
BA0271	Interpretation	50595-8
BA0272	Participated in the Interpretation	No LOINC Needed
BA0276	Addendum	35265-8
BA0275	Report electronically signed by	19139-5
71618	Disclaimer	62364-5
71850	Case Number	80398-1
BA0274	Gross Description	22634-0
BA0273	Material Received	22633-2