

## **Test Definition: RMPQU**

Monoclonal Protein Quantitation, Random,
Urine

Reporting Title: M-protein Quantitation, Random, U

Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

## **Ordering Guidance:**

The use of a random urine specimen is sufficient for identifying the presence or absence of monoclonal proteins, but a 24-hour specimen is preferred for quantitating and monitoring the abnormality. See SMPU / Monoclonal Protein Screen, 24 hour, Urine.

## **Shipping Instructions:**

Refrigerate specimen after collection and send refrigerated.

### **Specimen Requirements:**

Supplies: Urine Container, 60 mL (T313)

Submission Container/Tube: Plastic, 60-mL urine bottle

**Specimen Volume:** 50 mL **Collection Instructions:** 

1. Collect random urine specimen.

2. Aliquot between 30 mL and 50 mL of urine into a plastic, 60-mL urine bottle.

#### Forms:

If not ordering electronically, complete, print, and send a Renal Diagnostics Test Request (T830) with the specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Ambient	24 hours	
	Frozen	5 days	

#### **Result Codes:**

Result ID	Reporting Name	Туре	Unit	LOINC®
33044	A/G Ratio	Alphanumeric		44293-9
33045	M spike	Numeric	mg/dL	40661-1
33046	M spike	Numeric	mg/dL	40661-1
33047	Impression	Alphanumeric		49299-1
607975	Albumin	Alphanumeric	mg/dL	6942-7
607976	Alpha-1 globulin	Alphanumeric	mg/dL	9734-5
607977	Alpha-2 globulin	Alphanumeric	mg/dL	38190-5
607978	Beta globulin	Alphanumeric	mg/dL	9744-4
607979	Gamma globulin	Alphanumeric	mg/dL	9745-1
CRTR1	Creatinine, Random, U	Numeric	mg/dL	2161-8
PCRT1	Protein/Creatinine Ratio	Numeric	mg/mg	2890-2
PTCN1	Protein, Total, Random, U	Numeric	mg/dL	2888-6



# **Test Definition: RMPQU**

Monoclonal Protein Quantitation, Random, Urine

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

## **Supplemental Report:**

No

### Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
RPEU	Protein Electrophoresis, Random, U	1	84166	Yes	No
RPTU2	Protein/Creatinine Ratio, Random, U	1	84156	Yes	Yes, (RPTU1)

#### **CPT Code Information:**

84156

82570

84166

0077U (if appropriate)

#### **Reflex Tests:**

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
MPTRU	M-protein Mass-Fix, Random, U	1	0077U	No	No

## **Result Codes for Reflex Tests:**

Test ID	Result ID	Reporting Name	Туре	Unit	LOINC®
MPTRU	617119	M-protein Isotype MS, Random, U	Alphanumeric		In Process
MPTRU	617120	Flag M-protein Isotype MS, Random, U	Alphanumeric		No LOINC Needed

#### **Reference Values:**

**CREATININE:** 

> or =18 years old: 16-326 mg/dL

Reference values have not been established for patients who are younger than 18 years of age.

## PROTEIN/CREATININE RATIO:

> or =18 years: <0.18 mg/mg creatinine

Reference values have not been established for patients younger than 18 years of age.

### **ELECTROPHORESIS, PROTEIN**

The following fractions, if present, will be reported as mg/dL:

- -Albumin
- -Alpha-1-globulin
- -Alpha-2-globulin
- -Beta-globulin



# **Test Definition: RMPQU**

Monoclonal Protein Quantitation, Random, Urine

-Gamma-globulin

No reference values apply to random urines.

MASS-FIX M-PROTEIN ISOTYPE M-protein Isotype MS: No monoclonal protein detected

Flag M-protein Isotype MS: Negative