
Reporting Title: M-protein Quantitation, 24 HR, U
Performing Location: Rochester

Shipping Instructions:

Refrigerate specimen during collection and send refrigerated.

Necessary Information:

24-Hour volume (in milliliters) is required.

Specimen Requirements:

Supplies: Urine Container, 60 mL (T313)

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

Specimen Volume: 50 mL

Collection Instructions:

1. Collect urine for 24 hours.

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

Additional Information: See Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens for multiple collections.

Specimen Minimum Volume:

30 mL

Forms:

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

Urine Preservative Collection Options:

Note: The addition of preservative or application of temperature controls must occur within 4 hours of completion of the collection.

Ambient OK

Refrigerate Preferred

Frozen OK

50% Acetic Acid No

Boric Acid No

Diazolidinyl Urea OK

6M Hydrochloric Acid No

6M Nitric Acid No

Sodium Carbonate No

Thymol OK

Toluene No

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

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
PTU3	TM24	Collection Duration	Plain Text	Yes
PTU3	VL92	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TP6	Total Protein, 24 HR, U Also used by tests: PTU3	Numeric	mg/24 h	2889-4
TM24	Collection Duration Also used by tests: PTU3	Numeric	h	13362-9
VL92	Urine Volume Also used by tests: PTU3	Numeric	mL	3167-4
607970	Albumin	Alphanumeric	mg/24 h	6941-9
607971	Alpha-1 globulin	Alphanumeric	mg/24 h	6794-2
607972	Alpha-2 globulin	Alphanumeric	mg/24 h	6795-9
607973	Beta globulin	Alphanumeric	mg/24 h	94714-3
607974	Gamma globulin	Alphanumeric	mg/24 h	94715-0
2833	A/G Ratio	Alphanumeric		44294-7
21446	M spike	Numeric	mg/24 h	42482-0
22307	M spike	Numeric	mg/24 h	42482-0
21447	Impression	Alphanumeric		32210-7

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PTU3	Protein, Total, 24 HR, U			Yes	Yes (Order PTU)
PEU	Protein Electrophoresis, 24 Hr, U			Yes	No

CPT Code Information:

84156
84166
0077U (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
MPTU	M-protein Mass-Fix, 24 HR, U			No	No

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
MPTU	617117	M-protein Isotype MS, 24 HR, U	Alphanumeric		In Process
MPTU	617118	Flag M-protein Isotype MS, 24 HR, U	Alphanumeric		No LOINC Needed

Reference Values:

PROTEIN, TOTAL
<229 mg/24 hours

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

ELECTROPHORESIS, PROTEIN
The following fractions, if present, will be reported as mg/24 hours:
Albumin
Alpha-1-globulin
Alpha-2-globulin
Beta-globulin

Gamma-globulin

MASS-FIX M-PROTEIN ISOTYPE

M-protein Isotype MS:

No monoclonal protein detected

Flag M-protein Isotype MS:

Negative