
Reporting Title: M-protein Studies, 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

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
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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®
617117	M-protein Isotype MS, 24 HR, U	Alphanumeric		In Process
617118	Flag M-protein Isotype MS, 24 HR, U	Alphanumeric		No LOINC Needed
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
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

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
MPTU	M-protein Mass-Fix, 24 HR, U			Yes	No
PEU	Protein Electrophoresis, 24 Hr, U			Yes	No
PTU3	Protein, Total, 24 HR, U			Yes	Yes (Order PTU)

CPT Code Information:84156
84166
0077U**Reference Values:****PROTEIN, TOTAL:**

<229 mg/24 hours

Reference values have not been established for patients <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
Betaglobulin
Gamma globulin**MASS-FIX M-PROTEIN ISOTYPE:**

M-protein Isotype MS:

No monoclonal protein detected

Flag M-protein Isotype MS:

Negative