Test Definition: EPU

Electrophoresis, Protein, Urine

Reporting Title: Electrophoresis, Protein, U
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Clean, plastic urine collection container
Submission Container/Tube: Plastic, 60-mL urine bottle
Specimen Volume: 50 mL
Collection Instructions:
1. Collect a 24-hour urine specimen.
2. No preservative.
Additional Information:
1. 24-Hour volume is required.
2. If a serum specimen on the same patient will also be submitted, order PEL/80085 Electrophoresis, Protein, Serum under a separate order.
3. See Urine Preservatives in Special Instructions for multiple collections. NOTE: The addition of preservative or application of temperature controls must occur within 4 hours of the collection.

Urine Preservative Collection Options
Ambient Yes
Refrigerated Preferred
Frozen Yes
6N HCl No
50% Acetic Acid No
Na2CO3 No
Toluene Yes
6N HNO3 No
Boric Acid No
Thymol Yes

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	14 days
	Frozen	5 days
	Ambient	72 hours

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
PTU	TM23	Collection Duration	Plain Text	Yes
PTU	VL21	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TP2	Total Protein **Also used by tests: PTU**	Numeric	mg/24 h	2889-4
TM23	Collection Duration **Also used by tests: PTU, 12PTU**	Numeric	h	13362-9
VL21	Urine Volume **Also used by tests: PTU, 12PTU**	Numeric	mL	19153-6
CONC1	Concentration **Also used by tests: PTU, 12PTU**	Numeric	mg/dL	35663-4
2776	Albumin	Numeric	%	17819-4
2777	Alpha 1-Globulin	Numeric	%	17811-1
2779	Alpha 2-Globulin	Numeric	%	17813-7
2780	Beta-Globulin	Numeric	%	17815-2
2781	Gamma-Globulin	Numeric	%	17817-8
2833	A/G Ratio	Numeric		44293-9
21446	M spike	Numeric	mg/24 h	42482-0
22307	M spike	Numeric	mg/24 h	42482-0
21447	Impression	Alphanumeric		32210-7

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PTU	Protein, Total, U	1	84156	Yes	Yes
PEU	Protein Electrophoresis, U	1	84166	Yes	No

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
IFXU	Immunofixation, U	1	86335	No	No

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
IFXU	82025	Immunofixation, U	Alphanumeric		49277-7

Reference Values:

PROTEIN, TOTAL
> or =18 years: <102 mg/24 hours
Reference values have not been established for patients that are <18 years of age.

ELECTROPHORESIS, PROTEIN
If protein concentration is abnormal, the following fractions, if present, will be reported as a percent of the protein, total.
Albumin
Alpha-1-globulin
Alpha-2-globulin
Beta-globulin
Gamma-globulin
Reference value applies to 24-hour collection. Specimens collected for periods other than 24 hours will be reported in concentration units.