MAYO CLINIC
Mayo Medical Laboratories

Test Definition: FQFKL

Kappa and Lambda Free Light Chains (Bence Jones Protein), Quantitative, Urine

Reporting Title: Quant Free Kappa/Lambda Light Chains
Performing Location: ARUP Laboratories

Specimen Requirements:

Two 4 mL aliquots from a well mixed 24-hour urine collection. No preservative. Refrigerate specimen during collection. Send specimen refrigerate in 2 plastic, 6 mL tubes. (MML Supply T465).
Note: 1. Keep refrigerate at all times
2. Total volume and collection time interval required.

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	7 days
	Ambient	2 hours

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
FQFKL	Z2622	Hours Collected	Plain Text	Yes
FQFKL	Z2623	Total Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z2622	Hours Collected	Alphanumeric		In Process
Z2623	Total Volume	Numeric		In Process
Z2624	Total Protein	Numeric		In Process
Z2625	Albumin, Urine	Alphanumeric		In Process
Z2626	Alpha-1, Urine	Alphanumeric		In Process
Z2627	Alpha-2, Urine	Alphanumeric		In Process
Z2628	Urine Beta Globulin	Alphanumeric		In Process
Z2629	Gamma, Urine	Alphanumeric		In Process
Z2630	Free Urinary Kappa Light Chains	Alphanumeric		In Process
Z2631	Free Urinary Kappa Excretion/Day	Alphanumeric		In Process
Z2632	Free Urinary Lambda Light Chain	Alphanumeric		In Process

Result ID	Reporting Name	Type	Unit	LOINC®
Z2633	Free Urinary Lambda Excretion/Day	Alphanumeric		In Process
Z2634	Free Urinary Kappa/Lambda Ratio	Alphanumeric		In Process
Z2635	IFE Interpretation	Alphanumeric		In Process

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	IMMUNFIX E-PHORSIS/URINE/CSF	1	86335		
Billing only	ASSAY OF PROTEIN URINE	1	84156		
Billing only	ASSAY NEPHELOMETRY NOT SPEC	2	83883		

Reference Values:

Total Protein: 10-140 mg/d
Albumin, Urine: Detected
Alpha-1, Globulins, Urine: None Detected
Alpha-2, Globulins, Urine: None Detected
Beta Globulins, Urine: None Detected
Gamma, Urine: None Detected
Free Urinary Kappa Light Chains: 0.14-2.42 mg/dL
Free Urinary Kappa Excretion/Day: by report
Free Urinary Lambda Light Chains: 0.02-0.67 mg/dL
Free Urinary Lambda Excretion/Day: by report
Free Urinary Kappa/Lambda Ratio: 2.04-10.37 (ratio)
IFE Interpretation by report

Test Information: Total Protein
Total urinary protein is determined nephelometrically by adding the albumin and Kappa and/or Lambda light chains. This value may not agree with the total protein as determined by chemical methods, which characteristically underestimate urinary light chains.

Test Performed By: ARUP Laboratories
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