

Overview

Method Name

Qualitative Immunofixation Electrophoresis/Quantitative Immunoturbidimetry

NY State Available

Yes

Specimen

Specimen Type

Urine

Specimen Required

Specimen Type: Urine

Submission Container/Tube: Two 4-mL plastic aliquot tube(s)

Specimen Volume: 8 mL (Two 4-mL plastic aliquot tube(s))

Collection Instructions:

1. Collect urine for 24 hours (NO preservative).
2. Refrigerate specimen during the 24-hour collection.
3. Send specimen refrigerate in Two 4-mL plastic aliquot tube(s)
4. Collection volume and duration are required

Specimen Minimum Volume

4 mL (2 vials 2 mL each)

Reject Due To

| | |
|-----------|----------------------|
| Thawing** | Cold OK; Warm reject |
|-----------|----------------------|

Specimen Stability Information

| Specimen Type | Temperature | Time | Special Container |
|---------------|--------------------------|----------|-------------------|
| Urine | Refrigerated (preferred) | 21 days | |
| | Frozen | 180 days | |

Clinical and Interpretive

Reference Values

| | |
|-----------------------------------|--------------------|
| Total Protein | Less than 150 mg/d |
| Free Urinary Kappa Light Chains | 0.00-32.90 mg/L |
| Free Urinary Kappa Excretion/Day | By report |
| Free Urinary Lambda Light Chain | 0.00-3.79 mg/L |
| Free Urinary Lambda Excretion/Day | By report |
| IFE Interpretation | By report |

Interpretation

Results of urine free light chain testing can be used to monitor disease progression or response to therapy in patients for whom urine electrophoresis is unable to provide reliable Bence Jones Protein quantification. The results of urine kappa and lambda free light chain quantitative values may be misleading in specimens with high levels of urinary polyclonal free light chains, and absent Bence Jones protein by immunofixation; therefore correlation with urine immunofixation is required to identify inconsistent results. Total urinary protein is determined turbidmetrically 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 underestimates urinary light chains.

Performance**PDF Report**

No

Day(s) Performed

Monday through Sunday

Report Available

1 to 9 days

Performing Laboratory Location

ARUP Laboratories

Fees and Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

CPT Code Information

84156

86335

83520 x 2

LOINC® Information



| Test ID | Test Order Name | Order LOINC Value |
|---------|--------------------------------|-------------------|
| FIFLC | Immunofix Free Light Chains, U | Not Provided |

| Result ID | Test Result Name | Result LOINC Value |
|-----------|-----------------------------------|--------------------|
| Z5897 | Hours Collected | 30211-7 |
| Z5898 | Total Volume | 19153-6 |
| Z5899 | Total Protein | 2889-4 |
| Z5901 | Free Urinary Kappa Light Chains | 38176-4 |
| Z5912 | Free Urinary Kappa Excretion/Day | 38177-2 |
| Z5913 | Free Urinary Lambda Light Chain | 38178-0 |
| Z5914 | Free Urinary Lambda Excretion/Day | 38169-9 |
| Z5900 | IFE Interpretation | 49277-7 |