

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 9/24/1954  
**Sex:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Immunofixation with Free Light Chains, Quantitative, Urine**

ARUP test code 3002104

Hours Collected	Random hr
Total Volume	Random mL
Total Protein	See Note mg/d (Ref Interval: <=150)  Total Protein = 19.18 mg/L based on random urine. Reference intervals not applicable for random urines.  INTERPRETIVE INFORMATION: Total Protein  Total urinary protein is determined turbidimetrically 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.
Free Urinary Kappa Light Chains	5.46 mg/L (Ref Interval: 0.00-32.90) INTERPRETIVE INFORMATION: Free Urinary Kappa Light Chains  Undetected antigen excess is a rare event but cannot be excluded. Free light chain results should always be interpreted in conjunction with other clinical and laboratory findings.
Free Urinary Kappa Excretion/Day	See Note mg/d  Unable to quantitate free light chain excretion per day on a random urine sample.
Free Urinary Lambda Light Chain	1.72 mg/L (Ref Interval: 0.00-3.79) INTERPRETIVE INFORMATION: Free Urinary Lambda Light Chain  Undetected antigen excess is a rare event but cannot be excluded. Free light chain results should always be interpreted in conjunction with other clinical and laboratory findings.
Free Urinary Lambda Excretion/Day	See Note mg/d  Unable to quantitate free light chain excretion per day on a random urine sample.

**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at:

**ARUP LABORATORIES | 800-522-2787 | aruplab.com**  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 22-049-133240  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 1 of 2 | Printed: 9/30/2022 7:44:10 AM

**IFE Interpretation**

**See Note**

Urine is negative for monoclonal Free Light Chains (Bence Jones Protein).

INTERPRETIVE INFORMATION: IFE with Free Light Chains, Quant, Urine

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.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Hours Collected	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 4:06:00 AM
Total Volume	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 4:06:00 AM
Total Protein	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 5:07:00 AM
Free Urinary Kappa Light Chains	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 5:07:00 AM
Free Urinary Kappa Excretion/Day	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 5:07:00 AM
Free Urinary Lambda Light Chain	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 5:07:00 AM
Free Urinary Lambda Excretion/Day	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 5:07:00 AM
IFE Interpretation	22-049-133240	2/18/2022 6:03:00 PM	2/20/2022 4:13:42 PM	2/21/2022 5:07:00 AM

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

**ARUP LABORATORIES | 800-522-2787 | aruplab.com**  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 22-049-133240  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 2 | Printed: 9/30/2022 7:44:10 AM