

Specimen Collected: 11-Dec-23 13:04

Monoclonal Protein Study, Expanded Panel | Received: 11-Dec-23 13:05 Report/Verified: 11-Dec-23 13:20

Procedure	Result	Units	Reference Interval
Kappa Qnt Free Light Chains	50.00 <sup>H</sup> <sup>i1</sup>	mg/L	[3.30-19.40]
Lambda Qnt Free Light Chains	2.00 <sup>L</sup> <sup>i2</sup>	mg/L	[5.71-26.30]
Kappa/Lambda Free Light Chain Ratio	25.00 <sup>H</sup>		[0.26-1.65]
Immunoglobulin G	4000 <sup>H</sup>	mg/dL	[768-1632]
Immunoglobulin A	20 <sup>L</sup>	mg/dL	[68-408]
Immunoglobulin M	10 <sup>L</sup>	mg/dL	[35-263]
Total Protein, Serum	8.6 <sup>H</sup>	g/dL	[6.3-8.2]
Albumin	3.50 <sup>L</sup>	g/dL	[3.75-5.01]
Alpha 1 Globulin	0.18 <sup>L</sup>	g/dL	[0.19-0.46]
Alpha 2 Globulin	0.47 <sup>L</sup>	g/dL	[0.48-1.05]
Beta Globulin	0.39 <sup>L</sup>	g/dL	[0.48-1.10]
Gamma	4.06 <sup>H</sup>	g/dL	[0.62-1.51]
Monoclonal Protein	4.06 <sup>H</sup>	g/dL	[<=0.00]
Immunofixation	IFE Done		
SPEP/IFE Interpretation	See Note <sup>f1</sup>		
EER Monoclonal Protein and FLC, Serum	See Note <sup>f2</sup>		

**Result Footnote**

- f1: SPEP/IFE Interpretation  
Monoclonal spike in the gamma region. IFE gel pattern shows an IgG type kappa monoclonal protein.
- f2: EER Monoclonal Protein and FLC, Serum  
Authorized individuals can access the ARUP Enhanced Report using the following link:

**Test Information**

- i1: Kappa Qnt Free Light Chains  
INTERPRETIVE INFORMATION: Kappa Qnt Free 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.

- i2: Lambda Qnt Free Light Chains  
INTERPRETIVE INFORMATION: Lambda Qnt Free 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.

\*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:

**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

ARUP Accession: 23-345-900121

Report Request ID: 18507559

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