

Patient: [REDACTED]
 DOB: [REDACTED] Age: [REDACTED] Sex: F
 Patient Identifiers: [REDACTED]
 Visit Number (FIN): [REDACTED]

Client: [REDACTED]
 Physician: [REDACTED]

ARUP Test Code: 2002715
 Collection Date: 12/16/2022
 Received in lab: 12/17/2022
 Completion Date: 12/19/2022

Kappa Qnt Free Light Chains **202.04 mg/L H** (Ref Interval: 3.30-19.40)
 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.

Lambda Qnt Free Light Chains **4.41 mg/L L** (Ref Interval: 5.71-26.30)
 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.

Kappa/Lambda Free Light Chain Ratio **45.81 H** (Ref Interval: 0.26-1.65)

Immunoglobulin G **2217 mg/dL H** (Ref Interval: 768-1632)
 REFERENCE INTERVAL: Immunoglobulin G
 Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Immunoglobulin A **80 mg/dL** (Ref Interval: 68-408)
 REFERENCE INTERVAL: Immunoglobulin A
 Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Immunoglobulin M **23 mg/dL L** (Ref Interval: 35-263)
 REFERENCE INTERVAL: Immunoglobulin M
 Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Total Protein, Serum **7.7 g/dL** (Ref Interval: 6.3-8.2)

Albumin **4.00 g/dL** (Ref Interval: 3.75-5.01)

Alpha 1 Globulin **0.28 g/dL** (Ref Interval: 0.19-0.46)

Alpha 2 Globulin **0.73 g/dL** (Ref Interval: 0.48-1.05)

Beta Globulin **2.22 g/dL H** (Ref Interval: 0.48-1.10)

Gamma **0.48 g/dL L** (Ref Interval: 0.62-1.51)

Monoclonal Protein **1.91 g/dL**

Immunofixation IFE Done



Patient: [REDACTED]
 ARUP Accession: 22-350-117577

Monoclonal Protein Study, Expanded Panel, Serum

Patient: [REDACTED] | Date of Birth: [REDACTED] | Sex: F | Physician: [REDACTED]
Patient Identifiers: [REDACTED] | Visit Number (FIN): [REDACTED]

SPEP/IFE Interpretation

See Note

Monoclonal spike in the beta/gamma region. The quantitation may include complement and/or transferrin components. Measurement of total Immunoglobulin (IgA, IgG, or IgM) can be used for the quantitation of the monoclonal spike instead. Hypogammaglobulinemia. IFE gel pattern shows an IgG type kappa monoclonal protein with an additional faint band in lambda.

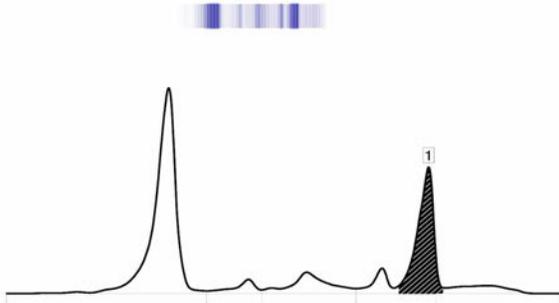
Note: Electrophoresis image and Immunofixation (IFE) Gel image, as applicable, continue on following page.



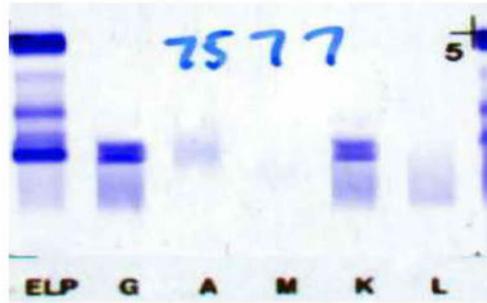
Monoclonal Protein Study, Expanded Panel, Serum

Patient: [REDACTED] | Date of Birth: [REDACTED] | Sex: F | Physician: [REDACTED]
Patient Identifiers: [REDACTED] | Visit Number (FIN): [REDACTED]

Electrophoresis Image



Immunofixation (IFE) Gel Image



Patient: [REDACTED]
ARUP Accession: 22-350-117577