

# Monoclonal Protein Detection Quantitation and Characterization, SPEP, IFE, IgA, IgG, IgM, Serum

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

Client: [REDACTED]  
 Physician: [REDACTED]

ARUP Test Code: 0050615  
 Collection Date: 11/23/2016  
 Received in lab: 11/29/2016  
 Completion Date: 12/01/2016

**Immunoglobulin G** **1640 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** **97 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** **16 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-Electrophoresis** **6.90 g/dL** (Ref Interval: 6.00-8.30)

**Albumin** **3.77 g/dL** (Ref Interval: 3.75-5.01)

**Alpha 1 Globulin** **0.26 g/dL** (Ref Interval: 0.19-0.46)

**Alpha 2 Globulin** **0.62 g/dL** (Ref Interval: 0.48-1.05)

**Beta Globulin** **0.63 g/dL** (Ref Interval: 0.48-1.10)

**Gamma** **1.61 g/dL H** (Ref Interval: 0.62-1.51)

**Immunofixation** IFE Done

**SPEP/IFE Interpretation** See Note  
 M-spike in the gamma region. The monoclonal protein peak accounts for 1.33 g/dL of the total 1.61 g/dL of protein in the gamma region. Restriction of protein migration in the beta region. IFE pattern shows an IgG type lambda monoclonal protein with an additional band in lambda.

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

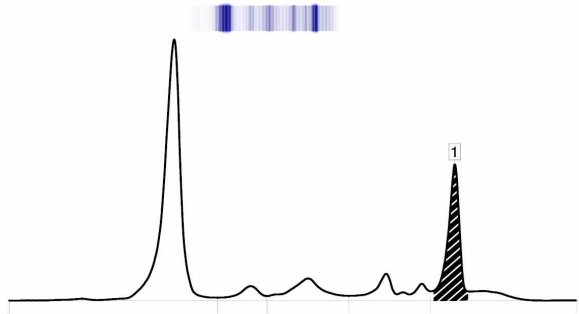


Patient: [REDACTED]  
 ARUP Accession: 16-328-111187

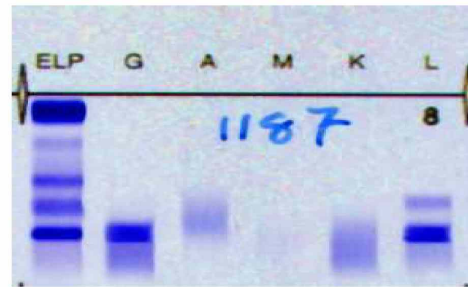
# Monoclonal Protein Detection Quantitation and Characterization, SPEP, IFE, IgA, IgG, IgM, Serum

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Patient Identifiers: [REDACTED] | Visit Number (FIN): [REDACTED]

**Electrophoresis Image**



**Immunofixation (IFE) Gel Image**



Patient: [REDACTED]  
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