

Division of Laboratory Medicine

Immunology

Serum Protein Electrophoresis & Paraprotein identification/ quantification

General information

Additional information is provided under Immunoglobulins IgG, IgA, IgM and Bence Jones protein (Urine Immunofixation).

Specimen transport: At room temperature

Repeat frequency: Initial diagnosis, post treatment. Monitoring for suspected relapse.

Special precautions: Note: Plasma is unsuitable for this test

Laboratory information

Normal reference range: Not applicable

Volume and sample type: 7ml clotted blood

Method: Capillary Zone Electrophoresis + immunofixation

Turnaround time (calendar days from sample receipt to authorised result): Median - 5

Participation in EQA Scheme: UK NEQAS for Monoclonal Protein identification, Binding Site Serum Paraprotein Scheme, Binding Site Urine Paraprotein Scheme and INSTAND CZE EQA Scheme

Clinical information

Indications for the test: Paraproteinaemia, MGUS, chronic lymphoid malignancy. Serum paraprotein quantitation for monitoring myeloma treatment.

Factors affecting the test: Fibrinogen in plasma sample or haemolysed sample

ICE reference: Immunoglobulins and Electrophoresis

(Last updated September 2021)