

IMMUNOFIXATION
ELECTROPHORESIS,
URINE

Orderable - PELU24; PELUR

Turnaround Time: 10 days

Alternate Name(s):

IFE
IFEUR
IFEU24
Light Chains
Bence Jones Protein

Specimen:

24-hour urine or random urine
A 24-hour urine collection is the preferred specimen for analysis of Bence Jones protein (free light chains). If a 24-hour urine is not available, the first voided morning specimen is recommended.

Collection Information:

Collection of 24-Hour Urine Sample

For 24-hour urine:
Collect urine over a 24-hour period in a sterile container with no preservative.

The minimum volume of urine required is 50 mL.

Please complete the laboratory label attached to the collection bottle to include patient's name, collection start time and date and collection end time and date.

Reference Ranges:

Interpretative analysis

Comments:

Protein electrophoresis (PEL) is always performed first (unless the total protein concentration in the urine sample is < 0.06 g/L, in which case IFE will be performed directly). The PEL result will determine if IFE is performed. IFE is performed when an abnormal globulin band is detected on PEL that has not been identified previously by IFE. If the band has been identified previously by IFE and the PEL pattern has not changed significantly, the IFE will not be repeated for ≥ 4 years.

IFE uses specific antisera to identify monoclonal immunoglobulins.



Laboratory:
Clinical Immunology Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Sebia immunofixation
electrophoresis



Test Schedule:
Monday - Friday
0800-1600

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Storage and Shipment:

Store and ship urine refrigerated.