

FREE LIGHT
CHAINS,
SERUM/
PLASMA

Orderable - FLC

Turnaround Time: 5 days

Alternate Name(s):

Free Kappa Light Chains
Free Lambda Light Chains
Serum Free Light Chains

Specimen:

5 mL Gold top Vacutainer tube
Red, Light Green (Li-Heparin), or Lavender (EDTA) top tubes are also acceptable

Collection Information:

Minimum volume of serum or plasma required is 750 µL.

Reference Ranges:

Free Kappa Chains:	3.3-19.4 mg/L
Free Lambda Chains:	5.7-26.3 mg/L
Kappa:Lambda ratio:	0.26-1.65
Adjusted Kappa:Lambda ratio for chronic kidney disease	0.37-3.10

Interpretive Comments:

A persistent and aberrant Kappa:Lambda ratio supports a diagnosis of monoclonal gammopathy.

Comments:

Note: Serial free light chain analysis should only be performed for patients with AL amyloidosis, light chain myeloma, or non-secretory myeloma. If free light chain testing is ordered and it has been <20 days since the collection date of the last sample run, the test will be cancelled.

Storage and Shipment:

Store and ship serum or plasma refrigerated.



Laboratory:
Clinical Immunology Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Immunoturbidimetry



Test Schedule:
Monday - Friday
0800-1600