

Free Light Chains (Kappa & Lambda)

Kappa and Lambda levels and kappa/lambda ratios are recommended for diagnosis, prognosis and monitoring of **Multiple Myeloma** patients.

Free Light Chains as a Diagnostic Test:

- Inclusion of serum free light chain assays can improve the sensitivity of screening protocols for detection and diagnosis of myeloma
- The serum free light chain assays along with other tests can provide valuable information for people with MGUS (Monoclonal Gammopathy of Undetermined Significance)

Free Light as a Prognostic Test to monitor patients with:

- Abnormal serum free light chain results at the start of treatment. If the free light chain ratio normalizes with treatment, then this result is called **stringent complete response**
- Nonsecretory myeloma
- Light chain only myeloma (Bence Jones myeloma).
The major advantages of the serum free light chain assays for these people are:
 - Ease of blood testing versus 24-hour urine collection
 - The much greater sensitivity of blood testing: mildly increased levels may be detected in the blood but not detected in the urine