



Technical Bulletin

*Update: **Kappa and Lambda Light Chains, Free** testing performed in house*

TO: Medical Staff and Clients

FROM: Dr. Wesley Kim, MD
Medical Director DLS

DATE: April 14, 2021

SUBJECT: Update: Kappa and Lambda Light Chains, Free testing performed in house

Effective 4/19/2021, Diagnostic Laboratory Services is pleased to bring back in-house testing for **Kappa and Lambda Light Chains, Free** using the Binding Site Assay on our Automated Roche platform.

The measurement of Kappa Light Chains in conjunction with Lambda Light Chains along with other laboratory findings aids in the detection, diagnosis, and monitoring of plasma cell disorders (dyscrasias) such as multiple myeloma, primary amyloidosis, and related diseases. Testing of serum light chains also aids in monitoring the effectiveness of treatment.

In house testing:

- Improves turn-around time by performing testing up to 6 days a week
- Allows DLS to report Kappa down to 0.70 mg/L and Lambda down to 0.80 mg/L

Test Information (Order Code 5180):

TEST	Reference Range (mg/L)		Reportable Range (mg/L)	Turn Around Time
	Quest Diagnostics	New	New	New
Free Kappa Chains	3.3-19.4	3.30-19.40 (Same)	0.80-56200.00	2 days
Free Lambda Chains	5.7-26.3	5.71 -26.30	0.70-74800.00	2 days
Free Kappa/Lambda Ratio	0.26-1.65	0.26-1.65 (Same)	N/A	2 days

Please refer any questions to Dr. Wesley Kim at 589-5131 or DLS Client Services at 589-5101.