



# Technical Bulletin

## *Updated Kappa and Lambda Light Chains, Free*

**TO:** Medical Staff and Clients

**FROM:** Dr. Wesley Kim, MD  
Medical Director DLS

**DATE:** November 10, 2020

**SUBJECT:** Updated Kappa and Lambda Light Chains, Free

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Effective 11/16/2020, Diagnostic Laboratory Services will be converting testing for **Kappa and Lambda Light Chains, Free** from our current Binding Site platform to our Automated Roche platform using DiaZyme reagents.

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.

By changing reagent and platforms, we will be able to improve turn-around time by performing testing up to 6 days a week. The following table highlights the major differences between the current and new reagents.

### ***Test Information (Order Code 5180):***

TEST	Reference Range (mg/L)		Reportable Range (mg/L)		Turn Around Time	
	Previous	New	Previous	New	Previous	New
<b>Free Kappa Chains</b>	3.30-19.40	2.73-20.73	0.40-180,000	4.5-30000.0	Up to 4 days	Up to 2 days
<b>Free Lambda Chains</b>	5.71-26.30	4.23-27.69	0.60-220,000	6.1-40000.0	Up to 4 days	Up to 2 days
<b>Free Kappa/Lambda Ratio</b>	0.26-1.65	0.22-1.74	N/A	N/A	Up to 4 days	Up to 2 days

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