

### CHANGES IN SERUM FREE LIGHT CHAIN TESTING AND REFERENCE RANGE

Effective Date: **October 4, 2016**

Effective October 4, 2016, testing for serum free kappa and lambda light chains will change. This will result in a change in reference ranges as follows:

<u>New Reference Ranges (mg/dL)</u>		<u>Old Reference Ranges (mg/dL)</u>
Free kappa	0.33-1.94	0.35-2.49
Free lambda	0.57-2.63	0.50-2.71
Kappa/Lambda ratio	0.26-1.65	0.27-1.80

Serum free light chains are useful in the diagnosis and management of patients with monoclonal gammopathies, particularly those patients with light chain myeloma, light chain deposition disease, non-secretory myeloma, or amyloidosis.

Instructions for specimen collection, transport and storage will remain unchanged:

**Collection:** Collect one gold top SST tube, let specimen clot 30-60 minutes, then centrifuge to separate serum from cells.

**Storage:** Store and transport specimen refrigerated (2-8 ° C or 36-46 ° F).

**Testing:** Performed on Monday, Wednesday and Friday.

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Internal URL to Laboratory Bulletins:

[http://employee.beaumont.edu/portal/pls/portal/ip30dev.page\\_pkg.page?xid=lab\\_bulletins](http://employee.beaumont.edu/portal/pls/portal/ip30dev.page_pkg.page?xid=lab_bulletins)

External URL to Laboratory Bulletins:

<http://beaumontlaboratory.com/hospitals-laboratories-three/test-information-center/laboratory-bulletins/>

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

---

**Date submitted:** October 7, 2016

**Submitted by:** Yvonne Posey, M.D., Associate Medical Director, Automated Chemistry & Special Testing, Royal Oak  
Elizabeth Sykes, M.D., Medical Director, Automated Chemistry & Special Testing, Royal Oak

---

*Beaumont Laboratory*  
Customer Service  
1-800-551-0488

# Beaumont

## Beaumont Laboratory

---

---

*Beaumont Laboratory*  
*Customer Service*  
1-800-551-0488

468 Cadieux  
Grosse Pointe, MI 48230

3601 West 13 Mile Road  
Royal Oak, MI 48073-6769

44201 Dequindre Road  
Troy, MI 48085-1198

<http://www.beaumont.edu/labs>