

# Reference Range Update



## **Estradiol Reference Range Change, Effective 3/30/2011**

St. Luke's Hospital laboratory will begin utilizing a new reagent for Estradiol analysis. The new reagent will allow for improved precision, enhanced stability, and expanded standardization. The accompanying reference ranges will change and there will be an approximate 10% decrease in patient values across all ranges.

### **New Estradiol Reference Ranges:**

Males: ND – 39.8 pg/mL

Menstruating females by day in cycle relative to the LH peak:

Follicular Phase -12 to -4 days: 19.5 – 144.2 pg/mL

Midcycle -3 to +2 days: 63.9 – 356.7 pg/mL

Luteal Phase +4 to +12 days: 55.8 – 214.2 pg/mL

Postmenopausal females (untreated): ND – 32.2 pg/mL

### **Old Estradiol Reference Ranges:**

Males: ND-52 pg/mL

Menstruating females by day in cycle relative to the LH peak:

Follicular phase- 12 days: 11-69 pg/mL

Follicular phase -4 days: 63-165 pg/mL

Midcycle -1 day: 146-256 pg/mL

Luteal phase + 2 days: 33-150 pg/mL

Luteal phase + 6 days: 68-196 pg/mL

Luteal phase +12 days: 36-133 pg/mL

Postmenopausal females (untreated): ND-37 pg/mL

If you have questions, please contact Kristin Baer, M.D. 218-249-5751, Chemistry Medical Director or Amber LaMourea, MT (ASCP) 218-249-5024, Immunochemistry Technical Specialist.

**St. Luke's Laboratory Services has recently developed a Web page which contains New Test Announcements.**

<http://www.slhduluth.com/hospital/laboratory-services/>