

New Test Announcement



Estradiol Test Methodology Change, Effective 11/2/09

Effective 11/2/09, St. Luke's Laboratory upgraded the in house Estradiol methodology. St. Luke's laboratory is committed to a Lean, automated system, providing state of the art instrumentation and test methodologies. We recently installed a Centaur analyzer onto our automation line, allowing an expanded testing menu in house. There are many advantages to this new instrumentation, one of which is the updated Estradiol methodology.

Advantages of this upgrade to the Estradiol methodology:

- **Turn Around Time:** our patients will be better served by shorter TAT for Estradiol testing. TAT should decrease by half with this new methodology.
- Improved Estradiol **sensitivity:** New method 10 pg/ml (Old method 15pg/mL)
- **New reference interval:** Please see the chart below.
- Improved instrument to instrument correlation, **better precision.**
- **Community standardization,** allowing back up access to supplies & down times

Estradiol Reference Ranges on the New Instrumentation

- **Males: Not Detectable -52 pg/mL**
- **Menstruating Females (Follicular phase -12 days): 11-69 pg/mL**
- **Menstruating Females (Follicular phase -4 days): 63-165 pg/mL**
- **Menstruating females (Midcycle -1 day): 146-526 pg/mL**
- **Menstruating females (Luteal phase +2 days): 33-150 pg/mL**
- **Menstruating females (Luteal phase + 6 days): 68-196 pg/mL**
- **Menstruating females (Luteal phase + 12 days): 36-133 pg/mL**
- **Postmenopausal females (untreated) Not Detectable -37 pg/mL**

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