

# New Test Announcement



## TSH and FT3 Test Methodology Change, Effective 10/27/09

Effective 10/27/09, St. Luke's Laboratory upgraded the in house TSH and Free T3 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, two of which are the updated TSH and Free T3 methodology.

### Advantages of this upgrade to the TSH methodology:

- **Turn Around Time:** our patients will be better served by shorter TAT for TSH testing.
- Improved TSH **sensitivity:** New method 0.010  $\mu\text{IU/ml}$  (Old method 0.01  $\mu\text{IU/ml}$ )
- **New reference interval of 0.350 to 5.500  $\mu\text{IU/ml}$**  has been validated using serum from healthy individuals.
- Improved instrument to instrument correlation, **better precision.**
- **Community standardization,** allowing back up access to supplies & down times

### Advantages of this upgrade to the Free T3 methodology:

- **Turn Around Time:** our patients will be better served by shorter TAT for Free T3 testing.
- Improved Free T3 **sensitivity:** New method 0.20  $\text{pg/ml}$  (Old method 1.0  $\text{pg/mL}$ )
- **New reference interval of 2.30 to 4.20  $\text{pg/ml}$**  has been validated using serum from healthy individuals.
- Improved instrument to instrument correlation, **better precision.**
- **Community standardization,** allowing back up access to supplies & down times

**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.**