



November 9, 2007

### **Esoterix Endocrinology Service Update**

Esoterix is committed to keeping our clients informed of changes, updates, and enhancements to our testing services as they occur. A complete listing of service changes is included with this letter and has been posted to our website at [www.esoterix.com](http://www.esoterix.com) in the test menu section. Please refer to the following pages for effective dates.

For additional information, please call us at (800) 444-9111. We value you as a customer and thank you for choosing Esoterix.

November 9, 2007

**Implementation Notice: Method Change**

**Test Title:** Thyroxine Binding Globulin (TBG)

**Test Code:** 500318

**Effective Date:** December 10, 2007

**Explanation of change:** The assay offers improved precision, sensitivity and turn around times. Results will now be reported in units of  $\mu\text{g/ml}$  which is consistent with other laboratories and hospitals. Reference ranges have been updated but patient testing outcomes should not differ. All the changes are noted below. The price and test code for TBG will remain the same.

Description	Predicate Method	New Method
Assay Method	Radioimmunoassay (RIA)	Competitive immunoassay (ICMA)
Reference Range	Premature infants 26-30 weeks, 3-4 days: 1.2-3.8 mg/dl Infants 31 days-23 months: 2.1-6.0 mg/dl Prepubertal children 2-9 years: 2.0-5.3 mg/dl Pubertal children and Adults: 1.8-4.2 mg/dl	Children: 12.7-27.9 $\mu\text{g/ml}$ Adults: 13-39 $\mu\text{g/ml}$
Assay Set frequency	Tuesday and Thursday	Monday through Saturday

November 9, 2007

**Implementation Notice: Method Change**

**Test Title:** T3 Uptake

**Test Code:** 500324

**Effective Date:** January 14, 2008

**Explanation of change:** The new fully validated assay offers improved precision and turn around times while avoiding the use of radioisotopes. This modern assay, which is standardized to 30% uptake, will provide results that are consistent with other labs and hospitals, thus assisting result monitoring and comparative analysis. All the changes are noted below. Patient testing outcomes should not differ. The price and test code for T3 Uptake will remain the same.

<b>Description</b>	<b>Predicate Method</b>		<b>New Method</b>
Assay Method	T3 Uptake Radioassay		Competitive immunoassay (ICMA)
Reference Range % Uptake	Infants and children	28-47%	Children and Adults
	Adults	35-45%	22.5-37.0%
	Mean normal value	40%	Mean normal value
			30%
Reference Range Uptake Ratio	Full-term 1 –3 d	0.83-1.17	Children and Adults
	4 – 7 d	0.70-1.05	0.75-1.23
	31d – 11m	0.70-1.05	
	12m – 2 y	0.78-1.14	
	3 – 9y	0.75-1.18	
	Pubertal children and Adults	0.85-1.15	
Assay Set frequency	Monday, Wednesday, Friday		Monday through Saturday