



**CPAL**

Central Pennsylvania Alliance Laboratory

# Technical Bulletin

No. 75

September 4, 2009

## Change of Method: Testosterone Assay

**Starting Date:**

September 4, 2009

**Contacts:**

Dr. Jeffrey Wisotzkey, 717-851-1422  
*Technical Director, CPAL*

Stephanie Williams, MT (ASCP), 717-812-4768  
*CPAL Chemistry/Immunochemistry Operations Manager*

**Performed:**

Daily (Monday-Saturday)

**Specimen:**

Serum or heparinized Plasma; 1.0 mL. Store at 2-8C up to 7 days; Freeze at -20C

**Summary:**

Effective September 5, 2009 CPAL adopted a solid-phase, competitive chemiluminescent enzyme immunoassay for testosterone determinations. This method replaces the previous RIA method. Correlation studies demonstrate a strong correlation between the previous method and the chemiluminescent enzyme immunoassay.

**Reference Ranges:**

**Females:**

Pre-pubertal :	< 20 ng/dL
Ovulating:	< 20 – 80 ng/dL
Post-menopausal:	< 20 – 62 ng/dL

**Males:**

Pre-pubertal:	< 20 ng/dL
20 – 49 years:	262 – 1593 ng/dL
≥ 50 years:	181 -758 ng/dL