



CPAL

Central Pennsylvania Alliance Laboratory

Technical Bulletin

No. 75

September 4, 2009

Change of Method: Testosterone Assay

Starting Date:

September 4, 2009

Contacts:

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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 |