

TESTOSTERONE  
TOTAL -  
PLASMA/  
SERUM

## Orderable - TESTO

Turn Around Time: 5 days

### Specimen:

Adult	Pediatric
4.5 mL Light Green top Vacutainer tube	0-2 years: 0.5 mL Light Green top Microtainer 2-10 years: 3 mL Light Green top Vacutainer tube
Red, Gold, or Lavender (EDTA) top tubes are also acceptable	



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Roche  
Electrochemiluminescence



**Test Schedule:**  
As required

### Collection Information:


Minimum volume of plasma or serum required is 700 µL for adult samples or 200 µL for pediatric samples.

### Reference Ranges:

<b>Male:</b>	
Tanner stage 1:	≤ 0.4 nmol/L
Tanner stage 2:	≤ 15.0 nmol/L
Tanner stage 3:	2.3 – 27.0 nmol/L
Tanner stage 4:	6.2 – 26.5 nmol/L
Tanner stage 5:	6.5 – 30.6 nmol/L
20 – 49 years:	8.6 – 29.0 nmol/L
≥ 50 years:	6.7 – 25.7 nmol/L

<b>Female:</b>	
Tanner stage 1:	≤ 0.4 nmol/L
Tanner stage 2:	≤ 0.4 nmol/L
Tanner stage 3:	≤ 0.8 nmol/L
Tanner stage 4:	≤ 0.9 nmol/L
Tanner stage 5:	≤ 1.3 nmol/L
20 – 49 years:	≤ 1.7 nmol/L
≥ 50 years:	≤ 1.4 nmol/L

(based on 6:30 am – 1:00 pm collection times)



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### Comments:

Nandrolone (19-nortestosterone) interferes with this assay.

Biotin may interfere with this test. Samples should not be taken from patients receiving high biotin doses (i.e. > 5 mg/day) until at least 8 hours after the last biotin administration.

In isolated cases, elevated testosterone levels can be seen in samples from female patients with end stage renal disease (ESRD).

### Storage and Shipment:

Store and ship plasma or serum frozen.