

TEST UPDATE
BIOAVAILABLE TESTOSTERONE
(WOMEN AND CHILDREN) BY LCMS

Pranil K. Chandra, DO, Medical Director
Jeff Johnson, AVP of Operations

This change will take effect **January 20, 2014**

OVERVIEW AND CLINICAL UTILITY:

Effective January 20, 2014, PathGroup will insource Bioavailable Testosterone for Women and Children by LCMS. This test panel will include total testosterone by LCMS, Sex Hormone Binding Globulin (SHBG), free and bioavailable testosterone. This is an acceptable test in the evaluation of suspected hyperandrogenemia in women and children. The test panel is also acceptable for evaluating androgen deficiency in men.

TEST METHODOLOGY:

Quantitative Liquid Chromatography Mass Spectrometry
Chemiluminescent Immunoassay

The concentrations of free and bioavailable testosterone are derived from mathematical expressions based on constants for the binding of testosterone to albumin and/or sex hormone binding globulin.

ORDERING:

TEST	TEST NAME	CPT
TESBIO	Testosterone, Bioavailable and Free and Sex	84403
	Hormone Binding Globulin (Includes Total Testosterone), Females or Children	84270

REFERENCE RANGE: See Directory of Service (DOS)

SPECIMEN COLLECTION AND STORAGE:

IF ORDERING:	
Serum	<ul style="list-style-type: none"> • Collect specimen in an SST tube <ul style="list-style-type: none"> a) Allow serum tube to clot for 30 minutes. b) Spin serum separator tube 10-15 minutes @ 3500 rpm. • Serum specimens are stable refrigerated for 7 days. • Transport specimen refrigerated. • Unacceptable: Hemolysis or Lipemia

TEST PERFORMED: Monday- Friday

TURNAROUND TIME: 1-2 days