

## **Test Definition: SHBG**

Sex Hormone-Binding Globulin (SHBG), Serum

Reporting Title: Sex Hormone Binding Globulin, S

Performing Location: New England

## **Specimen Requirements:**

Container/Tube: Preferred: Red top Acceptable: Serum gel Specimen Volume: 0.5 mL

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	14 days
	Frozen	60 days

### **Result Codes:**

Result ID	Reporting Name	Туре	Unit	LOINC®
SHBG	Sex Hormone Binding Globulin, S	Numeric	nmol/L	13967-5

**CPT Code:** 1 × 84270

#### **Reference Values:**

#### **CHILDREN**

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Tanner Stages*	Mean Age	Reference Range (nmol/L)
Stage I	7.1	31-167
Stage II	11.5	49-179
Stage III	13.6	5.8-182
Stage IV	15.1	14-98
Stage V	18.0	10-57

<sup>\*</sup>Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for boys at a median age of 11.5 (+/-2) years. For boys, there is no definite proven relationship between puberty onset and body weight or ethnic origin. Progression through Tanner stages is variable. Tanner stage V (young adult) should be reached by age 18.

#### Females

Tanner Stages* Mean Age Reference Range (nmol/L)	
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Stage I	7.1	43-197
Stage II	10.5	7.7-119
Stage III	11.6	31-191
Stage IV	12.3	31-166
Stage V	14.5	18-144

<sup>\*</sup>Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for girls at a median age of 10.5 (+/-2) years. There is evidence that it may occur up to 1 year earlier in obese girls and in African American girls. Progression through Tanner stages is variable. Tanner stage V (young adult) should be reached by age 18.

**ADULTS** 

Males: 10-57 nmol/L

Females (non-pregnant): 18-144 nmol/L