Test Definition: SHBG

Sex Hormone-Binding Globulin (SHBG), Serum

Reporting Title: Sex Hormone Binding Globulin, S
Performing Location: Rochester

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	Type	Unit	LOINC®
SHBG	Sex Hormone Binding Globulin, S	Numeric	nmol/L	13967-5

CPT Code: 1 × 84270

Reference Values:

CHILDREN

Males

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

*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)

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

*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