

**Table 2. Testosterone Reference Ranges in Children and Adolescents**

Age	Total (LC/MS/MS) <sup>a</sup> (ng/dL)	Free and Total <sup>b</sup>		Free, Bioavailable, and Total <sup>c</sup>	
		% Free (percent)	Free (pg/mL)	Free (pg/mL)	Bioavailable (ng/dL)
<b>Females</b>					
Cord blood <sup>10,11</sup>	16-44				
1-10 d <sup>10,11</sup>	≤24				
1-3 mo <sup>10,11</sup>	≤17				
3-5 mo <sup>10,11</sup>	≤12				
5-7 mo <sup>10,11</sup>	≤13				
7-12 mo <sup>10,11</sup>	≤11				
1-5.9 y	≤8				
6-7.9 y	≤20				
5-9.9 y		0.28-1.81	0.2-5.0		
1-10.9 y				≤1.5	
8-10.9 y	≤35				
1-11.9 y					≤3.4
11-11.9 y	≤40			≤1.5	
10-13.9 y		0.36-3.16	0.1-7.4		
12-13.9 y	≤40			≤1.5	≤3.4
14-17.9 y	≤40	0.41-2.34	0.5-3.9	≤3.6	≤7.8
<b>Tanner Stage</b>					
Stage I	≤8				
Stage II	≤24				
Stage III	≤28				
Stage IV	≤31				
Stage V	≤33				
<b>Males</b>					
Cord blood <sup>10,11</sup>	17-61				
1-10 d <sup>10,11</sup>	≤187				
1-3 mo <sup>10,11</sup>	72-344				
3-5 mo <sup>10,11</sup>	≤201				
5-7 mo <sup>10,11</sup>	≤59				
7-12 mo <sup>10,11</sup>	≤16				
1-5.9 y	≤5				
6-7.9 y	≤25				
5-9.9 y		0.44-1.78	≤5.3		
1-10.9 y				≤1.3	
8-10.9 y	≤42				
1-11.9 y					≤5.4
11-11.9 y	≤260			≤1.3	
10-13.9 y		0.53-3.33	0.7-52		
12-13.9 y	≤420			≤64	≤140
14-17.9 y	≤1000	1.05-2.91	18-111	4.0-100	8.0-210
<b>Tanner Stage</b>					
Stage I	≤5				
Stage II	≤167				
Stage III	21-719				
Stage IV	25-912				
Stage V	110-975				

<sup>a</sup> Test code: 15983X, 36170X, 14966X.<sup>b</sup> Test code: 36170X.<sup>c</sup> Test code: 14966X.