

Homocysteine, Total, Serum

Test ID: HCYSS

Explanation: The reference range has been revised to include age specific ranges with a new reporting unit. Specimen stability has been clarified and extended.

Current Specimen Required
Patient Preparation: Fasting (12 hours, preferred but not required)
Container/Tube: Red top or serum gel tube
Collection Instructions: Centrifuge and separate serum from cells within 4 hours of draw.

New Specimen Required
Preferred: Red top
Acceptable: Serum gel tube
Collection Instructions: Centrifuge and separate serum from cells within 4 hours of collection.

Current Requested Volume
Specimen Volume: 0.4 mL

New Requested Volume
Specimen Volume: 1 mL

Current Specimen Stability		
Specimen	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	

New Specimen Stability		
Specimen	Temperature	Time
Serum	Refrigerated (preferred)	28 days
	Ambient	28 days
	Frozen	309 days

Current Reference Value
Adults: < or =13 mcmmol/L
Reference values apply to fasting specimens only.

New Reference Value

Age	Total homocysteine (nmol/mL)		Age	Total homocysteine (nmol/mL)		Age	Total homocysteine (nmol/mL)	
	Female	Male		Female	Male		Female	Male
0-11 months	3.1 - 8.3	3.2 - 9.7	29 years	4.3 - 11.2	6.4 - 11.8	58 years	5.3 - 15.2	6.9 - 16.0
12-23 months	3.2 - 8.3	3.3 - 9.6	30 years	4.3 - 11.4	6.4 - 11.9	59 years	5.4 - 15.2	6.9 - 16.0
24-35 months	3.2 - 8.2	3.3 - 9.6	31 years	4.4 - 11.6	6.4 - 12.1	60 years	5.4 - 15.3	6.9 - 16.1
3 years	3.2 - 8.2	3.3 - 9.6	32 years	4.4 - 11.8	6.4 - 12.2	61 years	5.4 - 15.4	7.0 - 16.2
4 years	3.3 - 8.2	3.4 - 9.5	33 years	4.4 - 11.9	6.4 - 12.3	62 years	5.5 - 15.4	7.0 - 16.2
5 years	3.4 - 8.1	3.5 - 9.4	34 years	4.5 - 12.1	6.4 - 12.4	63 years	5.5 - 15.5	7.0 - 16.3
6 years	3.5 - 8.1	3.6 - 9.4	35 years	4.5 - 12.2	6.4 - 12.6	64 years	5.6 - 15.5	7.1 - 16.3
7 years	3.5 - 8.1	3.7 - 9.4	36 years	4.6 - 12.4	6.4 - 12.8	65 years	5.6 - 15.6	7.1 - 16.3
8 years	3.6 - 8.2	3.8 - 9.3	37 years	4.6 - 12.5	6.4 - 12.9	66 years	5.7 - 15.6	7.1 - 16.3
9 years	3.7 - 8.2	3.9 - 9.4	38 years	4.7 - 12.7	6.4 - 13.1	67 years	5.7 - 15.7	7.2 - 16.3
10 years	3.8 - 8.3	4.1 - 9.4	39 years	4.7 - 12.8	6.4 - 13.2	68 years	5.8 - 15.7	7.2 - 16.3
11 years	3.9 - 8.4	4.3 - 9.4	40 years	4.8 - 13.0	6.5 - 13.4	69 years	5.9 - 15.7	7.2 - 16.3
12 years	3.9 - 8.6	4.4 - 9.5	41 years	4.8 - 13.2	6.5 - 13.5	70 years	6.0 - 15.8	7.3 - 16.3
13 years	4.0 - 8.7	4.6 - 9.6	42 years	4.8 - 13.4	6.5 - 13.7	71 years	6.1 - 15.8	7.3 - 16.3
14 years	4.1 - 8.8	4.8 - 9.7	43 years	4.9 - 13.5	6.6 - 13.9	72 years	6.2 - 15.8	7.3 - 16.3
15 years	4.2 - 8.9	5.0 - 9.8	44 years	4.9 - 13.7	6.6 - 14.0	73 years	6.3 - 15.9	7.3 - 16.3
16 years	4.2 - 9.1	5.2 - 9.9	45 years	4.9 - 13.9	6.6 - 14.2	74 years	6.4 - 15.9	7.3 - 16.3
17 years	4.3 - 9.2	5.4 - 10.0	46 years	4.9 - 14.0	6.7 - 14.4	75 years	6.5 - 15.9	7.3 - 16.3
18 years	4.3 - 9.3	5.6 - 10.1	47 years	4.9 - 14.2	6.7 - 14.5	76 years	6.6 - 15.9	7.3 - 16.3
19 years	4.4 - 9.5	5.7 - 10.3	48 years	5.0 - 14.3	6.8 - 14.7	77 years	6.7 - 16.0	7.4 - 16.3
20 years	4.4 - 9.6	5.9 - 10.5	49 years	5.0 - 14.4	6.8 - 14.9	78 years	6.8 - 16.0	7.4 - 16.3
21 years	4.4 - 9.8	6.0 - 10.6	50 years	5.0 - 14.5	6.8 - 15.0	79 years	6.9 - 16.0	7.5 - 16.3
22 years	4.4 - 9.9	6.1 - 10.8	51 years	5.1 - 14.6	6.8 - 15.2	80 years	7.0 - 16.0	7.5 - 16.3
23 years	4.4 - 10.1	6.2 - 11.0	52 years	5.1 - 14.7	6.9 - 15.4	81 years	7.1 - 16.0	7.7 - 16.2
24 years	4.4 - 10.3	6.2 - 11.1	53 years	5.1 - 14.8	6.9 - 15.5	82 years	7.2 - 16.0	7.8 - 16.2
25 years	4.4 - 10.4	6.3 - 11.3	54 years	5.2 - 14.9	6.9 - 15.6	83 years	7.2 - 16.0	7.9 - 16.2
26 years	4.4 - 10.6	6.3 - 11.4	55 years	5.2 - 15.0	6.9 - 15.7	84 years	7.3 - 16.0	8.0 - 16.2
27 years	4.3 - 10.8	6.4 - 11.6	56 years	5.3 - 15.0	6.9 - 15.8	85 years	7.3 - 16.0	8.2 - 16.2
28 years	4.3 - 11.0	6.4 - 11.7	57 years	5.3 - 15.1	6.9 - 15.9	>85 years	7.4 - 16.0	8.3 - 16.2

Current Days Performed

Monday through Saturday; 8 a.m.

New Days Performed

Monday through Friday; 8 a.m.

Current Analytic Time

2 days (not reported Sundays)

New Analytic Time

3 days (not reported on Saturday or Sunday)

Questions

Contact Melissa Tricker-Klar, Laboratory Technologist Resource Coordinator at 800-533-1710.