

HemoCue Hb 201+: Appendix F - Reference Intervals

Hemocue Hb 201+ expected values ¹ :

Hemocue Hb 201+ expected values – as per manufacturer guidelines¹

- Adult males: 130-170 g/L
- Adult females: 120-150 g/L
- Infants, after neonatal period 110-140 g/L
- Children 2-18 years: gradual increase to adult ranges.

Critical values: <90 g/L or > 170 g/L

Repeat any unexpected values or critical values.

Confirm critical values with reference laboratory. Notify physician.

Reference Laboratory ¹⁻⁴:

Children's & Women's Health Centre of British Columbia

Age Interval	Hemoglobin g/L
Term 0 day*	135 - 195
1 - 6 days*	145 - 225
7 - 13 days*	135 - 215
14 - 29 days*	125 - 205
1 mo - 1.99 mo*	100 - 180
2 mo - 2.99 mo*	90 - 140
3 mo - 5.99 mo*	95 - 135
6 mo - 1.99 yr**	103 - 135
2 yr - 4.99 yr**	105 - 135
5 - 5.99 yr***	107 - 147
6 - 11.99 yr***	118 - 146
12 -15.99 yr M***	125 - 165
12 - 15.99 yr F***	117 - 149
16 - 18.99 yr M***	131 - 169
16 - 18.99 yr F***	117 - 149
adult M***	135 - 170
adult F***	114 - 143

* Results compiled from literature reference ranges

** Results from in-house evaluation (#2 and/or #3) confirmed with literature reference values

*** Results from in-house evaluation (#1) confirmed with literature reference values

Note In-House Data: #1-BCCH normal range study performed on 5 yr to adults.

#2-BCCH study performed on 413 neonates at 40 weeks of age

#3-BCCH study performed on 117 children between 6 months and 5 years of age

REFERENCES

HemoCue Hb 201+ Operating Manual. HemoCue AB, Box 1204 SE-262 23 Angelholm, Sweden.
info@hemocue.se www.hemocue.com

- 1 Dacie and Lewis SW, *Practical Hematology Ninth edn.* Lewis SV Bain BJ and Bates I, eds., Churchill Livingstone Publishers, 2001
- 2 Lilleyman J, Hann I and Blanchette V (eds) *Pediatric Hematology, 2nd edn.*, Churchill Livingstone, 1999
- 3 Nathan DG and Orkin SH (eds) *Nathan and Oski's Hematology of Infancy and Childhood, 5th edn.*, WB Saunders Company, Philadelphia, 1998
- 4 Soldin SJ, Brugnara C, Hicks JM (eds) *Pediatric Reference Ranges, 3rd edn.*, AACCC Press, 1999

REVISION & APPROVAL LOG

Version	Revision Type	Description of Change	Revision Date	Technical Approval	Medical Approval
1.0		New document	Jun 2012	Elvira Kozak	Dr. Cathy Halstead
1.1	Minor	Document title and number change. Upload to QMS document control	28 Dec 2016		Dr. Benjamin Jung

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