

# Hemoglobin concentration in the erythrocyte

**Mean cell hemoglobin concentration** (*MCHC*) is the concentration of hemoglobin in a unit of volume of erythrocytes.

It is calculated according to the formula:

$$MCHC = \frac{\text{blood Hb concentration (g/l)}}{\text{hematocrit (in ratio units)}}$$

The physiological value is **300-350 g/l** (liter of erythrocytes).

## Links

### Related articles

- Mean erythrocyte volume=MCV
- Erythrocyte color value=MCH

### Source

- ŠVÍGLEROVÁ, Jitka. *Koncentrace hemoglobinu v erytrocytu* [online]. The last revision 18. 2. 2009, [cit. 10.11.2010]. <[https://web.archive.org/web/20160416211131/http://wiki.lfp-studium.cz/index.php/Koncentrace\\_hemoglobinu\\_v\\_erytrocytu](https://web.archive.org/web/20160416211131/http://wiki.lfp-studium.cz/index.php/Koncentrace_hemoglobinu_v_erytrocytu)>.