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CBC Complete Blood Count with Differential

General:

A complete blood differential consists of the following individual parameters: white blood cell count (WBC), red blood cell count (RBC), hemoglobin (Hb), hematocrit (Hkt), mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC) and the platelets count and a differential, see table below.

- **Blood Differential, Automated**

Material: 3ml of EDTA-blood. **Please send us FRESH EDTA blood.**
Stability: 5 hours at 20 to 25°C
Method: FLOW
TAT: same day, FML
Ref. Range: reference ranges are adjusted according to age and gender
Note: Please send us FRESH EDTA blood. Differentials are less reliable in old blood samples.

- **Blood Differential, Manual**

Material: 3ml of EDTA-blood, fresh or smear.
Stability: 5 hours at 20 to 25°C
Method: FLOW/ Microscopy
TAT: same day, FML
Ref. Range: reference ranges are adjusted according to age and gender
Note: Please send us FRESH EDTA blood. Differentials are less reliable in old blood samples.

Updated 27/04/2024

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^ non-accredited parameter
*performed in a collaborating laboratory (Germany)

	Men	Women	Children
leukocytes (WBC)	4.0 – 10.0 /nl	4.0 – 10.0 /nl	5.0 – 13.0 /nl
erythrocytes (RBC)	4.5 - 5.5 /pl	3.8 – 4.8 /pl	4.0 - 5.2 /pl
hemoglobin (Hb)	13.0 - 17.0 g/dl	12.0 - 15.0 g/dl	11.5 - 15.5 g/dl
hematocrit (Hct)	40.0 - 50.0%	36.0 - 46.0%	35.0 - 45.0%
MCV	83.0 - 101.0 Fl	83.0 - 101.0 Fl	77.0 - 95.0 Fl
MCH	27.0 - 32.0 Fl	27.0 - 33.0 Fl	25.0 - 39.0 Fl
MCHC	31.5 – 36.0 g/l	31.5 – 36.0 g/l	31 - 37 g/l
platelets	150 - 450 /nl	150 - 450 /nl	180 - 400 /nl
neutrophils	50 -70 %	50 -70 %	25 - 55 %
eosinophils	up to 4.0%	up to 4.0%	up to 4.0%
basophils	up to 1%	up to 1%	up to 1%
lymphocytes	20 - 40 %	20 - 40 %	30 – 62 %
monocytes	4 - 12 %	4 - 12 %	0 – 8 %

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit http://www.fml-dubai.com/parameter-listings/

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