

**HEMOGLOBIN (cyanide free)****DETERMINATION OF HEMOGLOBIN IN WHOLE BLOOD**

Cyanide Free Method

Expiration date > 5 years

Ready for use

Liquid

Storage: Room temperature

**SUMMARY****PRINCIPLE**

This method is based on the conversion of all heme, hemoglobin and hemoglobin derivatives, in the presence of a non-ionic detergent, into a stable end product, which shows an absorption maximum at 575 nm. The reaction mixture converts chloro-hemin, foetal hemoglobin, hemoglobin, cyano-hemoglobin, and sulfo-hemoglobin, quantitatively into so-called alkaline hematin D-575 within 1-2 minutes.

SAMPLE MATERIAL

Capillary blood, EDTA-venous blood.

Stable for 6 months when stored at -20 oC and for 7 days when stored at 2-25 oC.

LINEARITY

Up to 15.0 mmol/l

EXPECTED VALUES

	Hb g/dl	Hb/4 mmol/l
Female	12 - 16	7.5 - 10.0
Male	14 - 18	8.7 - 11.2
Newborn	16 - 25	10.0 - 15.5
Infants	10 - 15	6.2 - 9.3
Young children	11 - 14	6.8 - 8.7
Children	12 - 16	7.5 - 10.0

QUALITY CONTROL**Products**

For spectrophotometer / filter 540 nm check use:

Hemoglobincyanide Solution, High-normal Level

Hemoglobincyanide Solution, Low Level

Product no.

2456

2457

Quantity

12 x 5 ml

12 x 5 ml

PRODUCTS

Products	Product no.	Quantity
Hemoglobin Reagent Cyanide Free Method	2488	1 x 500 ml

NOTES

- For in vitro diagnostic use only.
- For professional use only.
- Always contact INstruChemie for the complete product insert and latest edition.
- Printed in the Netherlands, July 2015 – version 3.0

