



HEMOGLOBIN

DETERMINATION OF HEMOGLOBIN IN WHOLE BLOOD

Hemoglobincyanide Method

Expiration date > 5 years

Ready for use

Liquid

Storage: Room temperature



SUMMARY

PRINCIPLE

Hemoglobin reacts with potassium hexacyanoferrate-III and potassium cyanide to form a colored complex hemoglobin-cyanide with an absorbance maximum at 540 nm. The absorbance of the complex is directly proportional to the hemoglobin concentration.

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 HiCN Method | 2465 | 1 x 500 ml |



NOTES

1. For in vitro diagnostic use only.
2. For professional use only.
3. Always contact INstru**chemie** for the complete product insert and latest edition.
4. Printed in the Netherlands, July 2015 – version 3.0