



## HEMOGLOBIN (cyanide free)

### DETERMINATION OF HEMOGLOBIN IN WHOLE BLOOD

- Cyanide Free Method
- Expiration date > 5 years, after production
- Ready for use
- Liquid



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

## 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 °C and for 7 days when stored at 2-25 °C.

### LINEARITY

Up to 15.0 mmol/l

### QUALITY CONTROL

#### Products

For accuracy use INstrublood Plus as a control:

INstrublood Plus Normal Level (human)

INstrublood Plus Abnormal Level (human)

Hemoglobin Standards:

Hemoglobin Standard, Low Level (human)

Hemoglobin Standard, Normal Level (human)

Hemoglobin Standard, High Level (human)

For spectrophotometer / filter 540 nm check use:

Hemiglobincyanide Solution, High-normal Level

Hemiglobincyanide Solution, Low Level

#### Product no.

2147

2148

2494

2495

2496

2456

2457

#### Quantity

10 x 3 ml

10 x 3 ml

10 x 2 ml

10 x 2 ml

10 x 2 ml

12 x 5 ml

12 x 5 ml

### 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  |

### NOTES

1. For in vitro diagnostic use only.
2. For professional use only.
3. Always contact INstruChemie for the complete product insert and latest edition.
4. Printed in the Netherlands, Hemoglobin-Cyanide Free-summary-280910-1.FEN