



Hemiglobincyanide Standard X* mg/dL fHb (free Hemoglobin) Standard for the Calibration of free Hemoglobin (HiCN method)

Intended Purpose

The Hemiglobincyanide standard (HiCN) is used for the calibration in the determination of free haemoglobin and is prepared according to the hemiglobincyanide method.

Principle

This calibration standard contains hemiglobincyanide according to the indicated concentration (fHb). The standard is used as a patient sample. X* mg/dL fHb see label and section Contents/Main Components

Reagents

Store this hemiglobincyanide standard under exclusion of light and at a storage temperature of +4... +8 °C. At correct storage this standard is stable until the imprinted expiry date.

The hemiglobincyanide standard is sterile sealed and can be opened easily. No brake-of of glass ampoules (risk of injury)!

Once opened, the hemiglobincyanide standard must be used within 2 hours. If stored intermediately at +4 °C, the standard can be used up to maximum 8 hours. After this time, any leftovers must be discarded.

Risks and Safety

Contains material of biological origin.

Please observe the necessary precautions for use of laboratory reagents and body fluids. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety and infection control. Wear suitable protective clothing and disposable gloves while handling.

It is important to ensure effective protection against infection according to laboratory guidelines.



For additional and general safety information please see details on the label and the corresponding Safety Data Sheet (SDS).

Download by QR code or link: www.sds-id.com/100051-3

Main Components

004631-... CAL Cyanhämglobin Standard fHb = 12.0 mg/dl fHb

004631-0002/5 SET 5x 2mL

004631-0005/20 SET 20x 5mL

CAL Other concentrations Cyan haemoglobin standard fHb available on special order (no single packs).

Additional required or recommended materials

004001-0250 **free Hemoglobin (fHb) Reagent (HiCN Method)**
1x 250 ml fHb + free hemoglobin reagent solution
Scattering-free special quality for fHb for the 2-wavelength method according to Tappernon.

Procedure

Take out of the refrigerator only the amount of vials of hemiglobincyanide standard you need for immediate use.

Let the vial(s) warm up to room temperature (light protected).

If present, condensation water inside the vials must be remixed carefully (e. g. roller mixer). Avoid foam of standard solution. Finest air bubbles (optically barely recognizable) can influence the measuring value too.

Examination/Calculation

The calibration value is indicated on the package in mg/dL (milligrams per 100 milliliters) fHb. The fHb is available as HiCN in the specified concentration fHb.

For analysis details see reagent use instruction

Notes

For professional use only.

For the spectrophotometric determination according to the haemoglobin cyanide (HiCN) method (DIN 58931) we recommend only the haemoglobin reagent mentioned. This reagent is suitable for all photometers. Working instructions for fHb (free hemoglobin in plasma and plasma/erythrocyte concentrate) are available.

Bioanalytic haemoglobin reagents are free from scattering effects. This always results in accurate results.

Classifications

EU: EDMA: 13 01 20 04 00; IVD Class A (in vitro diagnostic medical device).

AU: Class 1; IVD.

CA: HC: Class I; exempt; for in-vitro diagnostic use.

US: FDA: JCG; Class I; exempt; for in-vitro diagnostic use.

Support / Information service

For methodological and technical support, please contact us by E-Mail at support@bioanalytic.de.

Periodically check for updates of this product information on our website.

Feedback

Information from users can be reported to support@bioanalytic.de.

Suggestions for further developments will be considered.

If a serious incident has occurred during or as a result of use, please report it to the manufacturer and/or its authorized representative and to your national authority.

Waste Management

Please observe your national laws and regulations.

Used and expired solutions must be disposed of in accordance with your local regulations.

Inside the EU, national regulations apply that are based on the current, amended version of Council Directive 67/548/EEG on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Decontaminated packaging can be disposed of as household waste or recycled, unless otherwise specified.

Unused Remains

These are usually hazardous wastes that must be recycled or disposed of. After consultation we take back such residual materials in the original container.

Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.

[1] DIN 58931-HiCN

[2] ICSH technical report 1-2009: new reference material for haemiglobincyanide for use in standardization of blood haemoglobin measurements.

[3] CLSI Reference and Selected Procedures for the Quantitative Determination of Hemoglobin in Blood; Approved Standard - Third Edition. H15-A3 03/18/2009.

* see concentration stated on the label of the product.