Myoglobin-LT

(Immunoturbidimetric Latex-Test)

Reagent for the quantitative immunoturbidimetric Determination of Myoglobin in Serum and Plasma

Cat.No	Package Size
838003 (Hit)	1 x 20 mL R1 / 1 x 8 mL R2

Testprinciple

Immunoturbidimetric latex enhanced test for the determi-nation of myoglobin (MYO) by an endpoint reaction, through photometric measurement of the antibody-antigen reaction between myoglobin in the sample and antibodies to human myoglobin which are bound to latex particles .

Reagents

Components (concentrations in the test)

R1:	Glycine-Buffer	pH 9.0	165 mmol/l
	NaCl		95 mmol/l
	EDTA-Na_2		45 mmol/l
R2:	Latex particles coated with anti-myoglobin-antibodies		0,12 g/l
	Glycine-Buffer	pH 7.3	165 mmol/l
	NaCl		95 mmol/l

Storage / Stability

At 2-8 °C reagents are stable up to the given expiration date printed on the labels, if there is no contamina-tionen after opening the bottles.
Do not freeze the reagents !

Waste

Handle according to the local legal regulations

Preparation

Reagents are ready for use.
Mix the latex reagent R2 carefully before use.

Sample material

Serum, Heparin plasma or EDTA plasma.
Stability -Store at 2 - 8 °C and use immediately
- at least 6 months at - 20 °C

Discard contaminated samples!

Precautions

1. The reagents contain sodium azide (0,95 g/l) as preservative. Do not swallow! Avoid contact with skin and/or mucous membranes!
2. Do consider the corresponding laboratory regulatories and the local legal rules for the use of laboratory reagents

Assay Procedure

Wavelength	Hg 578 nm (580 nm)
Cuvette	1 cm lightpath
Temperature	37 °C
Measure	against Reagent Blank (RB)

	Reagent-Blank (RB)	Sample or calibrator
Sample / Calibrator	-	30 µl
NaCl 0.9%	30 µl	-
Reagent R1	900 µl	900 µl
Mix, incubate for 5 min, read absorbance A_1 and add		
Reagent R2	300 µl	300 µl
Mix and read absorbance A_1 exactly after 30 sec. Incubate for 5 min and read absorbance A_2		

$\Delta A = [(A_2 - A_1)$ Sample or Calibrator$] - [(A_2 - A_1)$ RB$]$

Calculation

Multi-Point-Calibration

The concentration in unknown samples is calculated through a calibrationscurve using a suitable mathemati-cal procedure e.g. logit/log. The calibrationscurve is established by 4 calibrators of different concentrations and NaCl-solution (9 g/l) for zero .
Stability of calibration is 4 weeks.

Calibration/Controls

For the calibration of automated photometric systems we recommend Greiner-myoglobin-calibrator set. The values are traceable to the reference material .
For internal QC use controls with suitable control values.

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