

quantex C4



Kit Configuration

P/N 3000-2309 1 x 60 mL C4 R1
4 x 12 mL C4 R2

Reagent Preparation

P/N 3000-2309 C4 R1: Ready to use
C4 R2: Ready to use.
Place the bottles into reagent tray.

In Use Stability

For optimal stability remove reagents from the system and store them at 2-8°C in the original vial securely closed.

Specimen

Serum.

Calibration

Use quantex Proteins standard multipoint Cat. No 3000-2121. See calibrator chart for lot specific concentrations. Recalibrate every 54 days or when a new lot of reagent is used.

Quality Control

Use quantex Proteins Control I/II Cat. No. 3000-2122.

Calculation of Analytical Results

The results concentration is automatically calculated by the instrument against the Calibration curve. For detailed description, refer to the Instrument settings and to the ILab 600/650 Operator's Manual.

Reference Interval

Concentrations of C4 between 10 and 40 mg/dL (0.3 - 1.0 g/L) are considered normal.

References / Literatur / Bibliografia / Bibliographie / Bibliografía /

See package insert enclosed in the kit

Performance Characteristics

Limitation/Interfering Substances

No significant interference from lipemia up to sample absorbance of 4.9/cm at 660 nm, triglycerides up to concentrations of 640 mg/dL (7.2 mmol/L), bilirubin up to concentrations of 38 mg/dL (646 µmol/L) and hemoglobin up to concentrations of 500 mg/dL (0.3 mmol/L). For a comprehensive review of interfering substances, refer to the publication by Young *et al.*¹

Linearity

no rerun 5 - 95 mg/dL ; with rerun 5 - 712 mg/dL



Instrument Settings

Photometric Test Parameters		Serum
Test No.		**
Test Name, Test Code		C4, C4
Sample Type		Serum
Reporting Unit, Decimal Points		mg/dL, 1
Reaction Cycle		Standard
Twin Analysis		OFF
Methodology Type, Measuring Point		End Point, 17/33
Photometric Methodology		1 Wavelength
Primary/Secondary Wavelength		340
Sampling Conditions		
<i>Sampling 1</i>	Sample Vol.	4
	Sample/Diluent Vol.	0/0
<i>Sampling 2</i>	Sample Vol.	4
	Sample/Diluent Vol.	20/130
<i>Sampling 3</i>	Sample Vol.	15
	Sample/Diluent Vol.	0/0
<i>Sampling 4</i>		***
Diluent Code		Saline
Diluent Warning Limit		***
First Run		Sampling 1
Below/Above Normal Range		***
Panic L		***
Panic H		Sampling 2
Noise		***
Prozone		N/A
High!, ABS!		Sampling 2
Sample Volume Reduction		**
Reagent Volumes		
R1	Code	77781
	Rgt/Dil. Vol. Stirring	190/0, ON
	Low Vol. Warning Limit	***
	Stability (days)	**
R2	Code	01782
	Rgt/Dil. Vol. Stirring	190/10, ON
	Low Vol. Warning Limit	***
	Stability (days)	**

Ranges and Evaluation Criteria	Serum
Normal Range-Male	**
Normal Range-Female	**
Normal Range-Other	**
Valid Range	0 - 95
Hemolysis/Icterus/Lipemia Limit	***
Reaction Slope	Positive
Absorbance Limit	Above, 3200
Prozone Limit	N/A
Non Linear Limit	N/A
Slope/Intercept Correction	1/0
Qualitative Report	OFF
Calibration Conditions	
Calibration	5 Points, point to point, 2 Reps
Stability (days)	54
Calibrator, Concentration	Proteins Std*
R-Blank Limit (mAbs)	150
Cal. Reps Range (%)	***
Min Cal. Response (mAbs)	***
Cal. Factor Change (%)	***
M-Point Curve Fit (%)	N/A
Reagent Blank	ON
Auto R-Blank by Bottle	ON

- * Lot dependent
- ** operator definable
- *** optional
- N/A not applicable to this test