

quantex IgA



Kit Configuration

P/N 3000-2268 1 x 90 mL IgA R1
4 x 16 mL IgA R2

Reagent Preparation

P/N 3000-2268 IgA R1: Ready to use
IgA 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 300-2128. See calibrator insert sheet for lot specific concentrations. Recalibrate every 94 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 350 Operator Manual.

Reference Interval

The reported expected range for IgA in adults is 70 – 400 mg/dL (0.7 – 40 g/L)

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 7.0/cm at 660 nm, triglycerides up to concentrations of 1280 mg/dL (15 mmol/L), bilirubin up to concentrations of 18 mg/dL (307 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

Precision

	Samples/Runs	Mean (mg/dL)	CV(%)	Mean (mg/dL)	CV(%)
Within run	4/10	133	2.2	396	1.6
Total	4/10	133	3.5	396	3.6

Method Comparison

Comparison Method (x)	same reagent
Comparison Instrument (x)	Cobas Mira
Slope	0.9816
y intercept	6.1207
Mean X (mg/dL)	189
Mean Y (mg/dL)	192
r	0.991
n	48

Linearity

no rerun 50 - 900 mg/dL ; with rerun 10 - 5400 mg/dL

Minimun Detection Limit

9.34 mg/dL

Quantification Limit

50 mg/dL



Instrument Settings

Chemistry Parameters		R1	
Method	<input type="text"/>	Reagent Name	<input type="text" value="IgA"/> Volume <input type="text" value="200 μL"/>
Name	<input type="text" value="IgA"/>	R2	<input type="text" value="enable"/> <input type="text"/>
Unit	<input type="text" value="mg/dL"/>	Reagent Name	<input type="text" value="IgA"/> Volume <input type="text" value="200 μL"/>
Assay Type	<input type="text" value="End"/>	Wash	<input type="text" value="disable"/> Reagent Name <input type="text"/>
		Diluent	<input type="text" value="enable"/> Reagent Type <input type="text" value="Saline"/>
Measuring Points	1 enable start <input type="text" value="12"/> end <input type="text" value="13"/>	Decimal Points	<input type="text" value="0"/>
	2 enable start <input type="text" value="25"/> end <input type="text" value="26"/>	Normal Range	<input type="text" value="70"/> <input type="text" value="400"/>
Wave Length		Technical Range (Conc)	<input type="text" value="50.0"/> <input type="text" value="900"/>
Prim	<input type="text" value="450"/> Sec <input type="text"/>	mAbs/10	<input type="text" value="-30000"/> <input type="text" value="30000"/>
Sampling Volume	<input type="text" value="3 μL"/>	RPT Wash (R1)	<input type="text" value="Sys Water"/>
Dilution	<input type="text" value="disable"/> <input type="text" value="μL"/> <input type="text" value="μL"/>	(R2)	<input type="text" value="Sys Water"/>
Rerun (High)	<input type="text" value="3 μL"/>	Instrument Factor a	<input type="text" value="1"/> b <input type="text" value="0"/>
Dilution	<input type="text" value="enable"/> <input type="text" value="20 μL"/> <input type="text" value="140 μL"/>	Stirring Speed	R1 <input type="text" value="high"/> R2 <input type="text" value="high"/>
Rerun (Low)	<input type="text" value="15 μL"/>		

Calibration Checks

** Duplicate Limit	<input type="text" value="**"/>	mAbs/10	Sampling Method for Standards
** Sensitivity Limit	<input type="text" value="**"/>	mAbs/10	<input checked="" type="checkbox"/> Duplicate
			<input type="checkbox"/> Triplicate
** Linearity Limit	<input type="text" value="**"/>	%	Blank measurement
** Prozone Limit	<input type="text" value="**"/>	upper	<input checked="" type="checkbox"/> Enable Reagent blank
SL1-S	<input type="text" value="**"/>	SL1-F <input type="text" value="**"/>	<input type="text" value="None"/>
SL2-S	<input type="text" value="**"/>	SL2-F <input type="text" value="**"/>	Reagent blank measurement at calibration
Sens	<input type="text" value="**"/>	mAbs/10	<input checked="" type="checkbox"/> Reagent blank (system water)
<input checked="" type="checkbox"/> Absorbance Limit			Multiplex measurement is the same as standards
Reaction	<input type="text" value="Increase"/>		Reagent Blank Limit Checks
Limit	<input type="text" value="25000"/>	mAbs/10	<input type="text" value="**"/> Duplicate limit <input type="text" value="50"/> mAbs/10

Calibration

Method	<input type="text"/>	Name	<input type="text" value="IgA"/>	Interval	<input type="text" value="94"/> days
Calculation	<input type="text" value="Point to Point"/>				
	Conc	WORK	MASTER	Lot No	
S1	<input type="text" value="0"/>	<input type="text" value="1"/>			K <input type="text" value="N/A"/>
S2	<input type="text" value="74"/>	<input type="text" value="629"/>			
S3	<input type="text" value="184"/>	<input type="text" value="2683"/>			
S4	<input type="text" value="369"/>	<input type="text" value="6027"/>			
S5	<input type="text" value="553"/>	<input type="text" value="8665"/>			
S6	<input type="text" value="737"/>	<input type="text" value="10663"/>			

Reagent Registration

Reagent Code	<input type="text" value="0175"/>				
Reagent Name	<input type="text" value="IgA"/>				
R1	<input checked="" type="checkbox"/> enable	Volume (L)	<input type="text" value="**"/> mL	Volume (S)	<input type="text" value="**"/> mL
R2	<input checked="" type="checkbox"/> enable	Stability Check	<input checked="" type="checkbox"/> enable	Term	<input type="text" value="**"/> days
**	Operator definable	N/A	not applicable to this test	Calibration curve is only as example	