

## quantex IgA

### Kit Configuration

P/N 3000-2322	1 x 30 mL IgA R1
	4 x 6 mL IgA R2

### Reagent Preparation

P/N 3000-2322	IgA R1: Ready to use
	IgA R2: Ready to use.
	Place the bottles into reagent rack.

### 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 3000-2128. See calibrator insert sheet for lot specific concentrations. Recalibrate every 20 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 300 Plus Operator's 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 / Bibliografia /

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 (14.5 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.*<sup>1</sup>

### Precision

	Samples/Runs	Mean (mg/dL)	CV(%)	Mean (mg/dL)	CV(%)
Within run	4/10	110.3	1.8	410.3	2.8
Total	4/10	110.3	3.7	410.3	3.4

### Method Comparison

	same reagent	same reagent
Comparison Method (x)	ILab 350	ILab 600
Slope	1.087	1.126
y intercept	8.9	4.9
Range (mg/dL)	7.5 – 737	0 - 737
Mean X (mg/dL)	267.1	261.6
Mean Y (mg/dL)	299.4	299.4
r	0.990	0.997
Syx	34.3	38.1
n	32	32

### Linearity

no rerun 50 - 900 mg/dL

### Quantification Limit

50 mg/dL

### Instrument Settings

Description: IgA  
 Unit: mg/dL  
 Decimals: 1  
 LIS Code: \*\*  
 Unit Factor: 1.0  
 Slope: 1.00  
 Intercept: 0.00

	Reference Range							
	LOW VALUES				HIGH VALUES			
Male:	50.0	50.0	50.0	70.0	400.0	900.0	900.0	900.0
Female:	50.0	50.0	50.0	70.0	400.0	900.0	900.0	900.0
Children:	50.0	50.0	50.0	70.0	400.0	900.0	900.0	900.0
	Low Alert	Very Low	Low	Normal Values	High	Very High	High Alert	
Rerun:	No	No				No	No	No

Reaction Type: End Point  
 Direction: None  
 E.P. Limit (abs): 1.0000  
 Depl Limit (abs): 0  
 First Limit (abs): 0  
 Linear Factor: 0  
 Fit: 0

	Parameter				
	Predilut.->	S.+R. 1->	Reag. 2 ->	Reag. 3 ->	Incubation ->
Times (sec):		0	90	0	296
Dil./Rgt. Code:		IgA 1	IgA 2		*) = kinetic
Lot Number:					Filter 1 (nm): 405
Ratio/Vol. (ul):	1/1	300	250	0	Filter 2 (nm): (none)
Rinse (ul):		0	0	0	Bicr. Factor: 1.00
Sample (ul):		3			

Lin Limit. Low: 50  
 High: 900.0  
 Rerun when Over: No

RBL Min (abs): -0.5000  
 Max (abs): 2.5000

Calculation Model: Point to Point  
 Factor: 0.00  
 Sample Blank: Yes

RBL Stability (days): 15  
 Calibration Stab. (days): 20  
 Dynamic Controls (min): None

\*\* Operator definable  
 N/A Not applicable to this test