

**Kit Configuration**

P/N 3000-2319	4 x 13 mL ASO R1
	4 x 2 mL ASO R2

**Reagent Preparation**

P/N 3000-2319	ASO R1: Ready to use
	ASO 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 ASO plus standard Cat. No 3000-2312. See vial label for lot specific concentration. A reagent blank should be run daily before sample analysis. Recalibrate every 30 days or when a new lot of reagent is used.

**Quality Control**

Use quantex ASO-CRP-RF control I Cat. No. 3000-2069. and ASO-CRP-RF control II Cat. No. 3000-2070

**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**

Although normal values can vary with age, season of the year and geographical area, the "upper limit of normal" antistreptolysin-O titers for preschool children is less than 100 IU/mL, and in school age children or young adults is usually between 166 and 250 IU/mL. In any case, the average can be established at less than 200 IU/mL.

**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 3.6/cm at 660 nm, triglycerides up to concentrations of 1282 mg/dL /14.5 mmol/L), bilirubin up to concentrations of 18 mg/dL (306 µmol/L), hemoglobin up to concentrations of 500 mg/dL (0.3 mmol/L) and rheumatoid factor up to 400 IU/mL. 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(U/L)	CV(%)
Within run	4/10	189.9	9.6	367.7	3.9
Total	4/10	189.9	13.7	367.7	9.3

**Method Comparison**

Comparison Method (x)	Same reagent
Comparison Instrument	ILab 350
Slope	1.003
y intercept	32,.1
Range (mg/dL)	5 - 586
Mean X (mg/dL)	78.3
Mean Y (mg/dL)	110.6
r	0.994
Syx	12.0
n	47

**Linearity**

50 - 850 mg/dL

**Quantification Limit**

50 mg/dL

### Instrument Settings

Description: ASO  
 Unit: IU/mL  
 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	50.0	200.0	850.0	850.0	850.0
Female:	50.0	50.0	50.0	50.0	200.0	850.0	850.0	850.0
Children:	50.0	50.0	50.0	50.0	200.0	850.0	850.0	850.0
	Low Alert	Very Low	Low	Normal Values		High	Very High	High Alert
Rerun:	No	No					No	No

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

	Parameter				
	Predilut.->	S.+R. 1->	Reag. 2 ->	Reag. 3 ->	Incubation ->
Times (sec):		0	0	0	62
Dil./Rgt. Code:		ASO R1	ASO R2		0
Lot Number:					*) = kinetic
Ratio/Vol. (ul):		300	50	0	Filter 1 (nm): 578
Rinse (ul):		0	0	0	Filter 2 (nm): (none)
Sample (ul):		4			Bicr. Factor: 1.00

Lin Limit. Low: 50.00  
 High: 850.0  
 Rerun when Over: No

RBL Min (abs): -0.2000  
 Max (abs): 2.5000

Calculation Model: Standard  
 Factor: N/A  
 Sample Blank: Yes

RBL Stability (days): 16  
 Calibration Stab. (days): 30  
 Dinamic Controls (min): None

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