

quantex TRANSFERRIN



Kit Configuration

P/N 3000-2325	2 x 21mL TRF R1
	2 x 2 mL TRF R2

Reagent Preparation

P/N 3000-2325	TRF R1: Ready to use.
	TRF R2: Ready to use.
	Place the bottles into reagent rack.

In Use Stability

For optimal stability remove reagents from the system immediately after use, 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. The calibrator concentrations are indicated insert sheet. 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 lus Operator's Manual.

Reference Interval

The reported expected range for transferrin in adults is 200-360 mg/dL (2.0-3.6 g/L).

References / Literatur / Bibliografía / Bibliographie / Bibliografia /

See package insert enclosed in the kit

Performance Characteristics

Limitation/Interfering Substances

No significant interference from bilirubin up to concentrations of 20 mg/dL (342 µmol/L) , hemoglobin up to concentrations of 500 mg/dL (0.3 mmol/L), lipemia up to concentrations of 1000 mg/dL (11.3 mmol/L) and rheumatoid factor up to 300 IU/mL. 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	166.4	6.8	425.3	4.5
Total	4/10	166.4	7.2	425.3	5.7

Method Comparison

Comparison Method (x)	same reagent
Comparison Instrument (x)	ILab 350
Slope	1.048
y intercept	5.77
Range (mg/dL)	-0.8 - 632
Mean X (mg/dL)	306
Mean Y (mg/dL)	326
r	0.991
n	46

Linearity

50- 660 mg/dL

Quantification Limit

50 mg/dL



Instrument Settings

Description: TRF
 Unit: mg/dL
 Decimals: 0
 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	200.0	360.0	660.0	660.0	660.0
Female:	50.0	50.0	50.0	200.0	360.0	660.0	660.0	660.0
Children:	50.0	50.0	50.0	200.0	360.0	660.0	660.0	660.0
	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 ->	Read
Times (sec):		0	90	0	296	0
Dil./Rgt. Code:		TRF 1	TRF 2			*) = kinetic
Lot Number:					Filter 1 (nm): 510	
Ratio/Vol. (ul):	1/1	300	30	0	Filter 2 (nm): (none)	
Rinse (ul):		0	0	0	Bicr. Factor: 1.00	
Sample (ul):		3				

Lin Limit. Low: 50.0
 High: 660.0
 Rerun when Over: No

RBL Min (abs): -0.500
 Max (abs): 2.5000

Calculation Model: Point to Point
 Factor: N/A
 Sample Blank: Yes

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

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