

CHLORIDE FS*

Order information

Cat. No.	Kit size			
10 120 021	R1 5 x	25 ml	+ 1 x	3 ml standard
10 120 022	R1 6 x	100 ml	+ 2 x	3 ml standard
10 120 023	R1 1 x	1000 ml		
10 120 030	6 x	3 ml		standard

Targa BT 3000

Method

Colorimetric test, "Thiocyanate"

Chloride is releasing equivalent quantities of Thiocyanate from Mercury (II) Thiocyanate. Together with Iron ions Thiocyanate forms a red colored complex. The intensity of the color is proportional to the Chloride concentration.

Reagent preparation and stability

The reagent is ready-to-use and stable up to the end of the indicated month of expiry, if contamination is avoided, stored at 15 – 25 °C and protected from light.

Stability of standard: until expiry date, when stored at 2 – 25 °C

Specimen

Serum, plasma. Avoid hemolysis!

Components and concentration in the test

Mercury (II) Thiocyanate	2 mmol/l
Mercury (II) Chloride	0.8 mmol/l
Ferric (III) Nitrate	20 mmol/l
Nitric acid	28 mmol/l

Standard: 100 mEq/l (mmol/l)

Notes

The reagent contains Mercury (II) Thiocyanate and Mercury (II) Chloride. Do not swallow! Avoid contact with skin and mucous membranes.

Normal range (see reference 1,2)

Adults:	98 - 110 mEq/l	(98 - 110 mmol/l)
Children:	95 - 112 mEq/l	(95 - 112 mmol/l)

References

1. Schoenfeld, R. G., Lewellen, C. J., Clin. Chem., 10, (1964), 533
2. Witt, I., Trendelenburg, Chr., J. Clin. Chem. Clin. Biochem., 20, (1982), 235 - 242

INSTRUMENT PARAMETER

Test Typ	Endpoint Single
Serum Starter	(Inactive)
Filters (A/B)	480/700
Units	mmol/L
Test Method	with Factor
Test Methodology	Thio
Number of washes	I
Delay Time	(Sec) 0
Inc. Time	(Sec) 300
Reading Time	(Sec) 10
Test Limit	(Conc) 130
Reactio Limit	(mABS) 0
Max ABS Delta	(mABS) 0
Reagent mAbs Limit	(mABS) 1000
Reagents A/B	(µl) 300
Reaction Direction	Increasing
Reagent Dilution	I:I
Initial ABS	(mABS) 0
Curve Acceptance	100%
Automatic profile	Inactive
Rerun Test Rgt Blk	H:M 00:00
Pathological Repetition	Inactive

Serum Parameters

Tests Name	CHLORIDE
Sample Volume	(µl) 3
Dilution Ratio	I:I
Min. Max. M.	98/107
Min. Max. F.	0/0
Min. Max. B.	0/0

Urine Parameters

Tests Name	
Urine Volume	(µl) 3
Min. Max. M.	
Min. Max. F.	
Min. Max. B.	
Auto Dilution	0:2
Multi Factor	1.00

* fluid stable