

# CHLORIDE FS\*

## Order information

Cat. No.	Kit size
10 120 021	R 5 x 25 ml + 1 x 3 ml standard
1 1200 99 10 026	R 6 x 100 ml
10 120 023	R 1 x 1000 ml
10 120 030	6 x 3 ml standard

## DUPONT DIMENSION

### Chemistry settings

## 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.

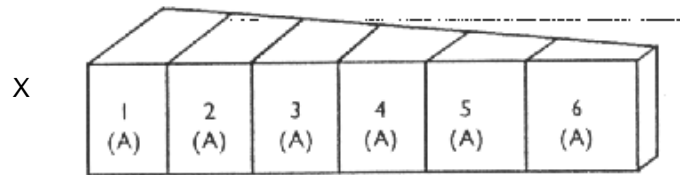
## Normal range (see reference 1,2)

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

## References

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

Test		Channel: #		Name: X CL				
Measure:	Endpoint	Method:	Normal	Std Curve	linear			
Act. wavelength:	452 nm	Ref.Wavelength:	700 nm					
Sample								
Time	Volume	Dilution	Mix					
0.0	3 µl	10 µl	moderate					
Reagent delivery time								
	Time	Comp.1	Comp2/3	Dilution	Mix			
1.:	110.0	(A) 320 µl	µl	30 µl	gentle			
2.:	-	-	-	-	-			
3.:	-	-	-	-	-			
Photometry								
	Time	Factor	1	2	3	4	5	6
1.:	-10.0 sec	- 1.000	Comp: (A)	(A)	(A)	(A)	(A)	(A)
2.:	300.0 sec	1.000	Aliq:	10	10	10	10	10
Method parameter								
Method	X CL	Decimal places	mmol					
Units	mmol/l	Calculate	linear					
Serum/Plasma		Normal range	70 – 150					
Urine			-					



#) Data entry by the user

\*) Enter calibration or standard value and position