

CHLORIDE FS*

CLINLINE 150

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

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

Assay Parameters at 37°C

Test Name	Chloride
Short Name	CL
Units	mmol/l
Assay Type	EP STD
Filter Value	405
1 st Read. = 0	NO
Lag Phase 1	0
NB Mesur	10
Reag.1	Vol 250
	Dil 0
	Pos 1 to 28
Reag.2	Vol 0
	Dil 0
	Pos 0
Sample	Vol 3
	Dil 0
Activation	
Lag Phase 2	-
Factor	
Stand. Calcul	1 DEG
Blk = Stand.	YES
Nb.of Stand	1
Stand. 1	Val Calibrator Value-
	Pos 76 to 89-
Stand. 2	Val -
	Pos -
NB Rep St/Ct	2
Control	Val Control Value
	Pos 76 to 89
	Dev Standard deviation
Predil Rate	1
Postdil Rate	2
Diluent	Water
Rinse Type	3
Up Norm Val	110
Low NormVal	98
Linearity L	130
Lower Blk L	0
Upper Blk L	3000
Blk Acti. L	
ODT 1 – ODT0 L	
Pred St/CT	-

* fluid stable