

# CLORETOS FS\*

## Gilford Express 550

### Order information

Cat. No. Kit size  
10 120 021 R 5 x 25 ml + 1 x 3 ml Std

### 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

### Test Parameters

Test Name	Chloride
Test	Cl
Test Bar Code	#
Test Type	Endpoint
Curve Type	Blanked Linear
Units	mmol/l
No. of decimal places	0
Primary Wavelength	405 nm
Secondary Wavelength	600 nm
Read Time/ Interval	20
Sample Blank	no
Factor	*
Calibration Interval	999
Normalization Interval	
No. of Calibrators	1
No. of Replicates	1
Low Blank A Limit	-0.100
High Blank A Limit	2.000
Low A limit	-0.100
High A Limit	2.000
Low Normal	98
High Normal	110
Linearity Limit	130
Curve S D Limit	10

### Reagent Parameters

Test Name	Chloride
Test	Cl
Test Bar Code	#
Sample Volume	3 µl
Sample Diluent	
Predilution Ratio	
Reran Dilution Ratio	2
Predilution	1
Reagent Diluent	
Reagent 1: Volume	300 µl
Diluent Volume	µl
Bar Code	#
Lag Time	300 secs
Reagent 2 : Volume	µl
Diluent Volume	µl
Bar Code	
Lag Time	

\* fluid stable