

CHOLESTEROL FS*

Order information

Cat. No.	Kit size				
10 130 021	R1 5 x	25 ml	+ 1 x	3 ml	standard
10 130 022	R1 6 x	100 ml	+ 2 x	3 ml	standard
10 130 023	R1 1 x	1000 ml			
10 130 030	6 x	3 ml			standard

Targa BT 3000

Method

Enzymatic colorimetric test, "CHOD-PAP"

Determination of Cholesterol after enzymatic hydrolysis and oxidation. The colorimetric indicator is Chinonimine which is generated from 4-Aminoantipyrine and Phenol by Hydrogen Peroxide under the catalytic action of Peroxidase.

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 and stored at 2 - 8 °C. The reagent must be protected from light.

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

Specimen

Serum, heparinized or EDTA plasma; Avoid hemolysis!

Components and concentration in the test

GOOD's buffer	pH 6.7	50	mmol/l
Phenol		5	mmol/l
4-Aminoantipyrine		0.3	mmol/l
Cholesterol Esterase		≥ 200	U/l
Cholesterol Oxidase		≥ 50	U/l
Peroxidase		≥ 3	KU/l

Standard: 200 mg/dl (5.2 mmol/l)

Notes

The reagent contains Sodium Azide (0.095 %) as preservative. Do not swallow! Avoid contact with skin and mucous membranes.

Clinical interpretation (see reference 4)

Suspect: over 220 mg/dl (5.7 mmol/l)
Elevated: over 260 mg/dl (6.7 mmol/l)

As per recommendation of the European Consensus Conference it is recommendable to lower the Cholesterol level in blood of about 180 mg/dl for adults up to 30 years of age and to about 200 mg/dl for adults of over 30 years of age.

References

1. Richmond, W., Clin. Chem., 19, (1973), 1350 - 1356
2. Roeschlau, P., Bernt, E., Gruber, W., Z. Klin. Chem. Klin. Biochem, 12, (1974), 403 - 407
3. Trinder, P., Ann. Clin. Biochem., 6, (1969), 24
4. Schettler, G., Nüssel, E., Arbeitsmed. Sozialmed. Präventivmed., 10, (1975), 25

INSTRUMENT PARAMETER	
Test Typ	End Point Single
Serum Starter	(Inactive)
Filters (A/B)	510/700
Units	mg/dl
Test Method	With Factor
Test Methodology	TRINDER
Number of washes	1
Delay Time	(Sec) 0
Inc. Time	(Sec) 300
Reading Time	(Sec) 10
Test Limit	(Conc) 750
Reactio Limit	(mABS) 0.000
Max ABS Delta	(mABS) 0.000
Reagent mAbs Limit	(mABS) 200
Reagents A/B	(µl) 300
Reaction Direction	Increasing
Reagent Dilution	1:1
Initial ABS	(mABS) 0.000
Curve Acceptance	100%
Automatic profile	(Inactive)
Rerun Test Rgt Blk	H:M 00:00
Pathological Repetition	(Inactive)
Serum Parameters	
Tests Name	CHOLESTERO L
Sample Volume	(µl) 3
Dilution Ratio	1:2
Min. Max. M.	140/220
Min. Max. F.	0.000/0.000
Min. Max. B.	0.000/0.000
Urine Parameters	
Tests Name	
Urine Volume	(µl) 1
Min. Max. M.	0.000 / 0.000
Min. Max. F.	0.000 / 0.000
Min. Max. B.	0.000 / 0.000
Auto Dilution	(Inactive)
Multi Factor	1.00

15.10.97

* fluid stable