

BILIRUBIN AUTO TOTAL FS*

Order information

Cat. No.	Kit size
10 081 021	R1 5 x 20 ml + R2 1 x 25 ml
10 081 022	R1 5 x 80 ml + R2 1 x 100 ml
10 081 023	R1 1 x 800 ml + R2 1 x 200 ml

Targa BT 3000

Method

Colorimetric test, "DCA (2,4-Dichloroaniline)"

Total Bilirubin in presence of diazotized 2,4-Dichloroaniline forms a red colored azocompound in acidic solution. A specific mixture of detergents enables a safe determination of the Total Bilirubin.

Reagent preparation and stability

The reagents are 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 2 must be protected from light.

Specimen

Serum, heparinized or EDTA plasma. Avoid hemolysis!
Store protected from light.

Stability: 1 day at 15 – 25 °C
4 days at 2 – 8 °C
up to 3 months at - 20 °C
(not in case of repeated deep freezing)

Components and concentration in the test

R1:	TRIS	pH 8.2	8 mmol/l
	NaCl		7 g/l
	Detergents		
R2:	2,4-Dichlorophenyl Diazoniumsalt		1 mmol/l
	HCl		30 mmol/l
	Detergents		

Notes

Ascorbic acid and Hemoglobin interfere.

Normal range (see reference 2,3)

Newborn	0 - 24 h:	up to 5 mg/dl (86 µmol/l)
	24 - 48 h:	up to 9 mg/dl (155 µmol/l)
	3 – 5 days:	up to 12 mg/dl (205 µmol/l)
Adults:	after 4 weeks:	up to 1.5 mg/dl (26 µmol/l)
		up to 1.1 mg/dl (18.8 µmol/l)

References

- Rand, R. N., di Pasqua, A., Clin Chem., 8, (1962), 570
- Weigl, E., Bach, H., Krieg, D., Med. Klin., 70, (1975), 664 – 669
- Keller, H.: Klinisch-chemische Labordiagnostik für die Praxis, 2nd edition, Georg Thieme Verlag, Stuttgart 1991, 246

INSTRUMENT PARAMETER

Test Typ		Endpoint with Start
Serum Starter		(Inactive)
Filters (A/B)		546/700
Units		mg/dl
Test Method		With Factor
Test Methodology		DCA
Number of washes		1/1
Delay Time	(Sec)	0
Inc. Time	(Sec)	120/300
Reading Time	(Sec)	10
Test Limit	(Conc)	30.0
Reactio Limit	(mABS)	0.000
Max ABS Delta	(mABS)	0.000
Reagent mAbs Limit	(mABS)	150
Reagents A/B	(µl)	240/60
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		TOTAL BILIRUBIN
Sample Volume	(µl)	5
Dilution Ratio		1:1
Min. Max. M.		0.500/1.200
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