

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		

DUPONT DIMENSION

Chemistry settings

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)

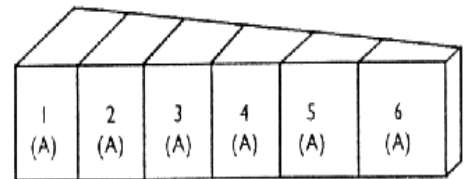
Newborn	0 - 24 h:	up to 5 mg/dl (86 µmol/l)
	24 - 48 h:	up to 9 mg/dl (155 µmol/l)
	3 – 5 days:	up to 12 mg/dl (205 µmol/l)
Adults:	after 4 weeks:	up to 1.5 mg/dl (26 µmol/l)
		up to 1.1 mg/dl (18.8 µmol/l)

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

Test									
Channel:	#	Name:	x TB						
Measure:	Endpoint	Method:	Normal	Std Curve linear					
Act. wavelength:	540 nm	Ref.Wavelength:	600 nm						
Sample									
Time	Volume	Dilution	Mix						
0,0	10 µl	10 µl	Moderate						
Reagent delivery time									
	Time	Comp.1	Comp2/3	Dilution	Mix				
1.:	- 110.0	(A) 330 µl	µl	20 µl	moderate				
2.:	-	-	-	-	-				
3.:	-	-	-	-	-				
Photometry									
	Time	Factor	1	2	3	4	5	6	
1.:	-10 sec	-1.000	Comp. (A)	(A)	(A)	(A)	(A)	(A)	(A)
2.:	240 sec	1.000	Aliq:	10	10	10	10	10	10
Method parameter									
Method	X TB	Decimal places	1						
Units	mg/dl	Calculation	linear						
		Normal range	0.0 – 1.1			Technical range			
Serum/Plasma			0.0 – 1.1			0.0 – 30.0			
Urine			-			-			

X



#) Data entry by the user

*) Enter calibration or standard value and position

* fluid stable

15.04.08