

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	

Abbott
SPECTRUM

Temperature: 30/37°C

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)
	after 4 weeks:	up to 1.5 mg/dl (26 µmol/l)
Adults:		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

* fluid stable

TEST DEFINITION

ENTRY NAME	T.B.	
REPORT NAME	T-Bilirubin	
TEST N°		
TEST TYPE	calibrated	
MATH	LIN REG END PT	
REACTION DIRECTION	UP	
REAGENTS	1	
TEMPERATURE	30 or 37°C	
SERUM BLANK	No	
CALIBRATION	LEVEL (C)	No
WATER	0.0000	1
CAL	*	1
SAMPLE µL	NORMAL	10
	LOW	20
	HIGH	5
UNITS	PRIM.	mg/dl
	SEC.	µmol/l
SEC UNITS FACTOR	#	
PRINT DIGITS	1	
INST MULT	1.000 INT 0.000	
NORMAL	0.0 TO 1.1	
CAL MODE	CAL IN CMD	
CAL LEVEL	0	
CAL INTERVAL	24	
REF CAL FACTOR	#	
% TOL OF CAL FACTOR	10	
% TOL OF CAL	10	

REAGENTS DEFINITION

REAGENT NUMBER 1 FOR TEST	T-Bilirubin	
REAGENT NAME	T.B.	
LOT ID		
REAGENT VOLUME (µL)	236	
FIRST READ TIME (SEC)	240	
LAST READ TIME (SEC)	480	
NUMBER OF READS	1	
READ INTERVAL (SEC)	60	
PRIMARY/SECONDARY	E.F.#	
1 – 5	548-660	0.00
6.	548-mA	0.00
LINEARITY (C)	0.0 To 30.0	
INITIAL Ad	0.20	
ABS LIMIT	2.00	
REAGENT BLANK	YES	
BEFORE WASH CYCLES	5	
AFTER WASH CYCLES	7	
MIX TIME	1	
COOLING	YES	

#) Data entry by the user

*) Calculated by the analyzer