BILIRUBIN AUTO TOTAL FS* BAYER OPERA

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

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

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

* fluid stable

Resident Chemistry

NAME	BILI
IMMUNOASSAY	-
TYPE	Endpoint
INVERSE CHEMISTRY	No
SAMPLE VOLUME	8.0
ALT. SAMPLE VOLUME	2.0
WAVELENGTH	550
DEPLETION TEST	No
BICHROMATIC CHEMISTRY	No
BICHROMATIC WAVELENGTH	-
BICHROMATIC TYPE	-
BICHROMATIC FACTOR 1	-
DEPLETION LIMIT	-
BICHROMATIC FACTOR 2	-
K1	-
K2	-
BICHROMATIC LIMIT 1	-
BICHROMATIC LIMIT 2	-
DELAY TIME	5:00
INCUBATION	-
BLANK TYPE	No
REAGENT VOLUME	350
SECOND REAGENT	Yes
2ND REAGENT VOLUME	85
2 RGT DELAY	1:00
A1 DELAY	-
A2 DELAY	0:15
UNITS	mg/dl
UNIT FACTOR	1.000
DECIMAL POINT	1
RBL LOW	0.000
RBL HIGH	2.000
RANGE LOW	0
RANGE HIGH	30.0
VALIDATION RANGE HIGH	30.0
CALIBRATION FACTOR	-
REAGENT RATE	-
REAGENT BLANK	0.0
STANDARD VALUE	*
NORMAL LOW	0.0
NORMAL HIGH	1.1
SLOPE	1.000
INTERCEPT	0.000
ENDPOINT LIMIT	0.2
C1*10E-6	-
C2*10E-6	-
D1*10E-6	-
DELTA	-
LINEARITY FACTOR	-
FIRST LIMIT	-
DAU METHOD	No
AUTO LINEARIZATION	No
CORRECTION LIMIT	-
AUTO LIN SLOPE	-
AUTO LIN INTERCEPT	-

TABLE IA	-
No. OF STANDARDS	1
No. OF ASPIRATIONS	2
STANDARD 1	*
STANDARD 2	-
STANDARD 3	-
STANDARD 4	-
STANDARD 5	-
STANDARD 6	-

*) Enter calibrator or Standard value
#) Data entry by the user
**) Factor must be checked by using a calibrator

15.04.08