

# Newborn Critical Care Center Clinical Guidelines

## COAGULATION LAB VALUES

Parameter	19-23 weeks gestation fetus	24-29 weeks gestation fetus	30-38 weeks gestation fetus	Newborn	Adult
PT (s)	32.5 (19-45)	32.2 (19-44)	22.6 (16-30)	16.7 (12.0-23.5)	13.5 (11.4-14.0)
PT (INR)	6.4 (1.7-11.1)	6.2 (2.1-10.6)	3.0 (1.5-5.0)	1.7 (0.9-2.7)	1.1 (0.8-1.2)
APTT	168.8 (83-250)	154.0 (87-210)	104.8 (76-128)	44.3 (35-52)	33.0 (25-39)
Fibrinogen				185 (63-324)	
TCT	34.2 (24-44)	26.2 (24-28)	21.4 (17-23.3)	20.4 (15.2-25)	14 (12-16)
<b>Factors:</b>					
I (g/L Von Clauss)	0.85 (0.57-1.5)	1.12 (0.65-1.65)	1.35 (1.25-1.65)	1.68 (0.95-2.45)	3.0 (1.78-4.5)
I Ag (g/L)	1.08 (0.75-1.5)	1.93 (1.56-2.4)	1.94 (1.3-2.4)	2.65 (1.68-3.6)	3.5 (2.5-5.2)
II c (%)	16.9 (10-24)	19.9 (11-30)	27.9 (15-50)	43.5 (27-64)	98.7 (70-125)
VII c (%)	27.4 (17-37)	33.8 (18-48)	45.9 (31-62)	52.5 (28-78)	101.3 (68-130)
IX c (%)	10.1 (6-14)	9.9 (5-15)	12.3 (5-24)	31.8 (15-50)	104.8 (70-142)
X c (%)	20.5 (14-29)	24.9 (16-35)	28 (16-36)	39.6 (21-65)	99.2 (75-125)
V c (%)	32.1 (21-44)	36.8 (25-50)	48.9 (23-70)	89.9 (50-140)	99.8 (65-140)
VIII c (%)	34.5 (18-50)	35.5 (20-52)	50.1 (27-78)	94.3 (38-150)	101.8 (55-170)
XI c (%)	13.2 (8-19)	12.1 (6-22)	14.8 (6-26)	37.2 (13-62)	100.2 (70-135)
XII c (%)	14.9 (6-25)	22.7 (6-40)	25.8 (11-50)	69.8 (25-105)	101.4 (65-144)
PK (%)	12.8 (8-19)	15.4 (8-26)	18.1 (8-28)	35.4 (21-53)	99.8 (65-135)
HMWK (%)	15.4 (10-22)	19.3 (10-26)	23.6 (12-34)	38.9 (28-53)	98.8 (68-135)

The values are the mean followed by the upper and lower boundaries including 95% of the test population

Abbreviations: Ag. Antigenic value; C coagulant activity

### References:

Mitsiakos G, Papaioannou, G, et al: Haemostatic profile of full-term, healthy, small for gestational age neonates. *Thrombosis Research* 2009;124:288-291.

Reverdiau-Moalic P, Delahousse B, et al: Evaluation of blood coagulation activators and inhibitors in the healthy human fetus. *Blood* 1996;88:900.