

A P P E N D I X I I

DETAILS OF BIOCHEMICAL DETERMINATIONS

BLOOD pHFull-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	7.28	7.26	7.30	7.33	7.35	7.36	7.39	7.38	7.35	7.34
N 2	-	7.31	7.33	7.36	7.36	7.38	7.38	7.38	7.38	7.39
N 3	7.33	7.37	7.38	7.39	7.38	7.39	7.41	7.40	-	-
N 4	7.30	7.36	7.36	7.37	7.39	7.41	7.40	7.38	7.38	7.39
N 5	7.31	7.32	7.36	7.35	7.38	7.39	7.39	7.39	7.41	-
N 6	7.33	7.36	7.34	7.37	7.39	7.39	7.38	7.40	7.41	7.40
N 7	7.27	7.28	7.33	7.34	7.34	7.38	7.40	7.39	7.40	7.38
N 8	7.31	7.33	7.37	7.34	7.35	7.38	7.36	7.39	7.40	7.36
N 9	7.24	7.30	7.38	7.35	7.36	7.37	7.41	7.42	7.39	7.41
N 10	7.22	7.22	7.23	7.32	7.36	7.38	7.38	7.42	7.38	7.39
N 11	7.20	7.22	7.28	7.33	7.35	7.35	7.38	7.38	7.37	7.35
N 12	7.30	7.31	7.32	7.33	7.37	7.36	7.41	7.42	7.38	7.38
N 13	7.32	7.31	7.34	7.35	7.37	7.38	7.40	7.39	-	-
N 14	7.29	7.30	7.29	7.36	7.36	7.37	7.40	7.40	7.39	-
N 15	7.28	7.30	7.32	7.35	7.35	7.38	7.40	7.38	7.36	7.34
N 16	7.30	7.30	7.33	7.37	7.38	7.39	7.41	7.42	7.40	7.39

BLOOD pH (CONTINUED)Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	7.09	7.24	7.30	7.31	7.42	7.43	7.34	7.42	7.38
D 2	7.14	7.18	7.29	7.33	7.40	7.45	7.44	7.50	7.50	7.42
D 3	7.22	7.32	7.36	7.38	7.40	7.44	7.44	-	-	-
D 4	7.26	7.28	7.30	7.37	7.38	7.38	7.39	7.42	7.40	7.39
D 5	7.28	7.32	7.30	7.33	7.35	7.37	7.37	7.38	7.39	7.38
D 6	7.30	7.30	7.30	7.33	7.35	7.36	7.35	7.38	7.38	7.40
D 7	7.31	7.34	7.33	7.39	7.37	7.38	7.39	7.39	7.40	7.40
D 8	7.24	7.26	7.35	7.36	7.38	7.38	7.40	7.39	7.39	7.38
D 9	-	7.30	7.32	7.33	7.36	7.38	7.38	7.35	7.36	7.37
D 10	-	7.29	7.30	7.33	7.35	7.38	7.38	7.38	7.39	7.39
D 11	7.30	7.33	7.33	7.37	7.39	7.40	7.42	7.39	7.40	7.42
D 12	7.11	7.19	7.20	7.29	7.33	7.32	7.23	7.41	7.47	7.36
D 13	7.24	7.28	7.34	7.38	7.38	7.42	7.41	7.41	7.42	7.40
D 14	7.20	7.25	7.32	7.30	7.38	7.34	7.38	7.39	7.38	7.38
D 15	7.16	7.17	7.24	7.30	7.34	7.38	7.38	7.41	7.39	7.40
D 16	-	7.26	7.30	7.32	7.34	7.35	7.37	7.37	7.37	7.38

BLOOD pH (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	7.30	7.31	7.33	7.33	7.34	7.36	7.39	7.40	7.40	7.39
D 18	-	7.29	7.29	7.33	7.36	7.37	7.38	7.38	7.39	7.40
D 19	-	7.35	7.35	7.36	7.36	7.39	7.42	7.41	7.40	7.40

Healthy premature infants:

P 1	-	7.27	7.31	7.32	7.32	7.33	7.36	7.36	7.37	7.34
P 2	7.20	7.29	7.29	7.29	7.33	7.37	7.33	7.41	7.29	7.30
P 3	7.26	7.30	7.32	7.37	7.37	7.40	7.42	7.40	7.39	7.38
P 4	7.25	7.27	7.32	7.36	7.38	7.39	7.40	7.38	7.41	7.40
P 5	-	7.29	7.31	7.35	7.37	7.39	7.38	7.38	7.37	7.37
P 6	7.30	7.34	7.35	7.35	7.37	7.39	7.40	7.39	7.42	7.42
P 7	7.24	7.25	7.28	7.30	7.31	7.32	7.34	7.36	7.38	7.39
P 8	7.23	7.23	7.28	7.29	7.30	7.32	7.31	7.32	7.34	7.34
P 9	7.30	7.31	7.32	7.32	7.34	7.35	7.35	7.33	7.32	7.30
P 10	7.29	7.30	7.32	7.36	7.38	7.38	7.39	7.38	7.38	7.40

BLOOD pH (CONTINUED)Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	7.24	7.32	7.35	7.37	7.39	7.39	7.40	7.40	7.41	7.40
L 2	7.26	7.28	7.29	7.32	7.32	7.33	7.36	7.37	7.34	7.36
L 3	7.30	7.32	7.32	7.35	7.36	7.38	7.40	7.40	7.38	7.39
L 4	7.25	7.29	7.31	7.33	7.34	7.35	7.37	7.38	7.40	7.39
L 5	7.23	7.27	7.32	7.35	7.36	7.36	7.38	7.35	7.38	7.37
L 6	7.33	7.35	7.36	7.38	7.36	7.36	7.38	7.38	7.40	-
L 7	-	7.29	7.31	7.35	7.36	7.38	7.39	7.39	7.40	7.39
L 8	7.31	7.32	7.35	7.36	7.38	7.39	7.39	7.40	7.39	7.41
L 9	-	7.30	7.32	7.33	7.35	7.37	7.38	7.40	7.41	7.40
L 10	-	7.28	7.30	7.32	7.34	7.36	7.38	7.40	7.40	7.40
L 11	7.26	7.30	7.33	7.36	7.38	7.38	7.39	7.38	7.39	7.39

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	7.07	7.24	7.32	7.32	7.28	7.38	7.44	7.44	7.45	7.40
T 2	7.29	7.29	7.35	7.36	7.35	7.36	7.40	7.40	7.40	7.38
T 3	7.06	7.10	7.20	7.25	7.28	7.37	7.37	7.39	7.40	7.40

BLOOD pH (CONTINUED)Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	7.26	7.25	7.30	7.35	7.37	7.38	7.42	7.43	7.38	7.40
T 5	-	7.15	7.23	7.29	7.35	7.37	7.37	7.33	7.35	7.34
T 6	7.31	7.33	7.34	7.36	7.33	7.36	7.40	7.42	7.36	7.39
T 7	-	7.28	7.30	7.35	7.38	7.38	7.39	7.40	7.37	7.38

BLOOD pCO₂ (mm.Hg)Full-term normal infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
N 1	48	53	38	54	44	40	41	39	41	39	
N 2	-	33.5	43	44	43	41	40	43	41	40.5	
N 3	45	36.0	34	34.5	34	34	32	31	-	-	
N 4	41.5	40	37.5	36	39	35	35	31	34	35.5	
N 5	40	41.5	37.5	37.5	36	36	43.5	43.5	37.5	-	
N 6	46	40	37.5	43.5	39	40	39	46	40	39	
N 7	50	43	39	37.5	39	33	36	36	34	37.5	
N 8	45	43	33	33	30	30	34	32	32	30.5	
N 9	45	37.5	36	37.5	36	36	34	36.5	34	36	
N 10	53	55	48	39.5	33.5	32	36.5	31.5	37.5	37.5	
N 11	51	47	45	34.5	36	32	31	31	32	32.5	
N 12	33.5	40	38.5	37.5	42	35.5	37.5	37.5	41	37.5	
N 13	46	41.5	39.5	41.5	41.5	37.5	37.5	33.5	-	-	
N 14	51	47	44	36	39.5	42	37.5	40	40	-	
N 15	44	40	42	41.5	41	41	33.5	37.5	36	32	
N 16	45	50	40	35	36	36	36	34.5	37.5	36	

BLOOD $p\text{CO}_2$ (CONTINUED)Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	44.0	36.0	32.0	36.0	26.0	27.0	16.0	26.5	20.0
D 2	54.0	40.0	30.0	37.5	33.5	32.5	31.0	25.0	27.0	25.0
D 3	33.5	32.5	30.0	32.0	30.0	26.5	30.5	-	-	-
D 4	43.0	42.0	41.0	39.5	41.0	39.5	34.5	32.5	40.0	37.5
D 5	48.0	41.0	40.0	42.0	43.0	37.5	34.0	36.0	39.0	41.0
D 6	41.5	41.5	43.5	39.5	35.5	33.0	31.0	36.0	37.5	34.0
D 7	55.0	48.0	51.0	40.0	42.0	37.5	43.0	39.0	39.0	40.0
D 8	41.5	37.5	33.5	35.5	37.5	32.0	37.5	39.5	35.0	33.0
D 9	-	37.5	41.0	39.0	40.0	37.5	37.5	34.0	35.5	37.5
D 10	-	36.0	34.0	34.5	34.0	37.5	37.5	32.0	33.0	35.0
D 11	40.0	37.5	39.0	37.5	37.5	41.0	35.0	41.0	41.0	37.5
D 12	55.0	44.0	47.0	43.0	40.5	48.0	56.0	37.5	31.5	40.0
D 13	44.0	33.5	32.0	37.5	34.0	35.0	33.0	36.0	34.5	34.5
D 14	55.0	46.0	39.0	37.5	31.0	35.5	30.5	34.5	33.5	41.5
D 15	40.0	31.5	42.0	41.0	35.0	34.0	34.0	37.5	36.0	34.0
D 16	-	43.0	46.0	39.0	37.5	36.0	42.0	37.5	37.5	36.0

BLOOD pCO₂ (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	44.0	44.0	44.0	42.0	47.0	47.0	40.0	42.0	31.0	37.5
D 18	-	31.5	37.5	40.0	37.5	39.0	35.0	35.0	40.0	37.5
D 19	-	50.0	48.0	40.0	45.0	41.0	37.5	41.0	43.0	41.0

Healthy premature infants:

P 1	-	57.0	45.0	44.0	40.0	39.5	36.0	39.5	32.5	40.0
P 2	41.5	30.0	30.5	25.0	23.5	26.0	34.5	33.0	40.0	39.0
P 3	49.0	43.0	42.0	37.5	35.5	36.0	34.0	37.5	37.5	41.0
P 4	55.0	55.0	47.0	43.0	45.0	43.0	42.0	37.5	37.5	35.5
P 5	-	49.0	46.0	40.0	43.0	37.5	35.5	37.5	40.0	37.5
P 6	42.0	42.0	43.0	42.0	41.0	34.5	37.5	39.5	41.0	39.0
P 7	44.0	42.0	46.0	43.0	43.0	42.0	35.5	39.5	39.5	37.5
P 8	51.0	51.0	47.0	42.0	47.0	40.0	41.0	40.0	39.0	39.0
P 9	40.0	37.5	41.0	41.0	41.0	30.0	28.5	35.5	37.5	39.0
P 10	43.0	42.0	37.5	39.0	35.0	41.0	37.5	39.0	39.0	34.0

BLOOD pCO₂ (CONTINUED)Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	56.0	35.0	41.0	36.0	33.0	40.0	35.5	33.5	35.5	35.5
L 2	50.0	49.0	49.0	45.0	45.0	44.0	42.0	37.5	33.0	48.0
L 3	41.0	37.5	40.0	39.0	40.0	39.0	33.0	33.0	40.0	39.0
L 4	42.0	43.0	44.0	37.5	40.0	37.5	32.0	30.0	36.0	30.0
L 5	46.0	46.0	41.0	34.0	32.0	32.0	32.0	30.5	32.0	32.0
L 6	37.5	37.5	40.0	41.0	41.0	41.0	40.0	40.0	40.0	-
L 7	-	44.0	42.0	41.0	37.5	37.5	41.0	37.5	36.0	39.5
L 8	35.0	33.0	37.5	37.5	37.5	35.0	33.0	34.0	33.5	34.0
L 9	-	43.0	43.0	46.0	45.0	40.0	44.0	45.0	35.5	37.5
L 10	-	43.0	40.0	40.0	41.0	42.0	43.0	37.5	34.0	31.0
L 11	41.0	40.0	36.0	34.0	36.0	37.5	37.5	37.5	39.0	37.5

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	50.0	30.0	30.0	37.5	33.5	27.5	32.0	33.0	33.0	35.0
T 2	50.0	50.0	40.0	37.5	34.5	41.0	37.5	37.5	36.0	36.0
T 3	57.0	40.0	32.0	30.0	36.0	37.5	37.5	36.0	37.5	37.5

BLOOD pCO₂ (CONTINUED)Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	35.5	44.0	46.0	33.0	34.5	34.5	33.5	30.0	32.0	44.0
T 5	-	25.5	25.5	20.0	26.5	23.0	23.0	28.5	34.0	33.0
T 6	44.0	36.0	37.5	36.0	34.0	32.0	33.5	36.0	34.0	34.0
T 7	-	51.0	48.0	44.0	37.5	40.0	40.0	40.0	35.0	39.5

BASE EXCESS (mEq/L.)Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	-5.8	-6.7	-7.4	-3.0	-2.0	-3.0	-0.4	-2.0	-3.0	-4.5
N 2	-	-8.5	-4.5	-1.5	-1.8	-1.0	-1.2	-0.4	-1.0	-0.5
N 3	-3.8	-3.8	-3.8	-3.0	-3.8	-3.0	-2.4	-4.5	-	-
N 4	-6.6	-3.0	-3.8	-3.2	-1.1	-1.8	-2.5	-4.5	-3.8	-2.5
N 5	-6.7	-5.2	-3.7	-4.5	-3.0	-2.5	+0.5	+1.0	-0.0	-
N 6	-2.5	-3.0	-5.0	-0.5	-1.0	-1.0	-1.7	+2.5	+1.0	-0.5
N 7	-5.0	-7.0	-5.0	-5.0	-4.5	-3.7	-1.7	-2.5	-2.3	-2.5
N 8	-4.0	-3.2	-5.0	-7.0	-7.5	-5.8	-5.1	-4.5	-4.5	-6.5
N 9	-9.0	-7.5	-3.0	-4.5	-4.5	-4.0	-2.5	-1.0	-3.0	-1.0
N 10	-8.3	-10.4	-11.3	-6.0	-5.1	-4.0	-3.0	-2.2	-2.2	-1.8
N 11	-11.2	-10.4	-7.3	-7.0	-4.0	-6.9	-5.0	-5.0	-4.0	-6.3
N 12	-9.3	-6.5	-6.0	-5.8	-1.5	-4.5	-0.5	+0.2	-1.0	-2.2
N 13	-3.0	-5.8	-4.5	-3.0	-1.6	-2.3	-1.0	-3.0	-	-
N 14	-5.7	-4.3	-6.3	-4.6	-3.0	-1.5	-1.0	+0.3	-0.7	-
N 15	-7.2	-7.3	-5.1	-3.1	-3.2	-1.0	-2.3	-2.5	-4.5	-7.2
N 16	-6.0	-4.5	-5.0	-4.0	-3.0	-2.5	-1.0	-1.0	-1.3	-2.5

BASE EXCESS (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	-18.2	-11.5	-9.8	-7.5	-6.0	-5.0	-13.8	-6.2	-10.8
D 2	-10.0	-12.3	-11.0	-5.7	-3.0	-0.8	-2.2	-2.6	-1.2	-6.9
D 3	-13.8	-8.5	-6.0	-5.0	-3.7	-3.8	-2.5	-	-	-
D 4	-8.0	-7.6	-6.2	-2.5	-1.0	-1.8	-3.0	-1.5	-0	-1.8
D 5	-6.5	-5.1	-6.4	-4.5	-2.3	-3.0	-4.5	-3.0	-1.3	-1.0
D 6	-6.5	-6.5	-5.8	-5.3	-5.2	-5.2	-6.6	-3.3	-2.5	-2.5
D 7	-4.0	-1.8	-1.8	-1.0	-1.8	-2.5	-0.5	-1.0	-0.5	-0.0
D 8	-1.0	-9.8	-5.8	-4.5	-2.5	-4.5	-1.0	-1.0	-2.2	-4.0
D 9	-	-7.7	-5.0	-5.0	-2.5	-2.5	-2.7	-5.8	-4.5	-3.0
D 10	-	-8.5	-9.0	-7.0	-5.0	-2.5	-2.5	-4.5	-3.0	-2.5
D 11	-7.0	-6.0	-5.0	-3.0	-3.0	+0.5	-1.0	-0.0	+0.5	+0.5
D 12	-11.5	-10.0	-9.8	-5.8	-4.4	-2.0	-5.0	-0.4	-0.5	-2.2
D 13	-8.5	-10.5	-7.5	-2.5	-4.0	-1.0	-2.5	-1.2	-1.1	-2.4
D 14	-9.1	-7.5	-5.7	-7.8	-5.1	-6.0	-5.2	-3.1	-3.8	-1.0
D 15	-15.6	-1.7	-10.7	-6.3	-6.4	-3.7	-3.7	-0	-2.3	-2.4
D 16	-	-7.5	-5.3	-6.0	-5.0	-5.0	-1.0	-3.0	-3.0	-3.0

BASE EXCESS (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	-6.5	-6.0	-4.0	-4.5	-2.8	-1.5	-1.0	+1.0	-3.0	-1.5
D 18	-	-10.5	-9.0	-5.0	-4.0	-2.5	-3.0	-3.0	-0.5	+0.5
D 19	-	-1.5	-2.0	-3.0	-2.0	-0.5	+0.7	+1.5	+1.0	-0

Healthy premature infants:

P 1	-	-4.5	-4.5	-5.2	-5.8	-5.0	-4.5	-3.0	-5.2	-4.5
P 2	-12.5	-11.0	-11.0	-13.1	-12.0	-7.5	-7.0	-2.5	-7.8	-6.8
P 3	-7.2	-6.0	-5.0	-3.0	-4.0	-2.0	-1.0	-1.0	-2.0	-1.0
P 4	-5.0	-5.0	-3.0	-1.8	+0.3	+0.3	-0	-2.5	-0.2	-1.8
P 5	-	-5.0	-4.5	-3.0	-1.0	-1.8	-3.0	-2.5	-2.5	-3.0
P 6	-6.5	-3.0	-2.5	-3.0	-1.8	-3.0	-1.0	-1.0	+2.0	+1.0
P 7	-9.7	-9.7	-6.5	-5.7	-5.8	-5.0	-6.0	-3.0	-1.8	-3.0
P 8	-7.5	-7.5	-6.5	-7.5	-5.0	-5.8	-5.8	-5.8	-4.5	-4.5
P 9	-7.0	-7.3	-5.5	-5.3	-4.0	-7.8	-8.0	-6.5	-6.5	-7.5
P 10	-6.5	-6.7	-6.5	-3.2	-3.2	-1.0	-2.0	-1.5	-1.5	-2.5

BASE EXCESS (CONTINUED)Healthy low birth weight infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
L 1	-7.3	-7.3	-3.1	-3.8	-3.8	-0.5	-1.7	-2.4	-1.0	-1.7	
L 2	-9.3	-6.8	-6.0	-4.0	-3.9	-3.9	-2.5	-3.0	-6.7	-10.4	
L 3	-6.5	-6.5	-6.0	-4.0	-2.5	-2.0	-2.5	-2.5	-1.2	-1.2	
L 4	-10.0	-6.5	-5.7	-6.0	-4.5	-4.5	-5.2	-4.5	-1.8	-4.0	
L 5	-9.7	-6.5	-5.0	-5.8	-5.8	-5.8	-4.5	-7.2	-4.5	-5.0	
L 6	-6.0	-4.5	-3.0	-1.0	-2.5	-2.5	-1.7	-1.5	+0.5	-	
L 7	-	-6.5	-6.7	-3.3	-3.8	-2.5	-0.0	-1.7	-2.0	-1.0	
L 8	-8.0	-8.0	-4.5	-3.7	-2.5	-2.5	-3.0	-2.3	-3.0	-2.0	
L 9	-	-6.0	-4.5	-3.0	-2.0	-2.0	-0.0	+2.0	-1.0	-1.0	
L 10	-	-7.0	-7.0	-5.5	-3.5	-2.0	-0.3	-1.0	-2.5	-3.3	
L 11	-8.5	-6.3	-7.0	-5.0	-3.0	-2.5	-1.8	-2.3	-1.0	-2.0	

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	-18.4	-13.8	-9.2	-6.5	-10.5	-6.0	-1.0	-0.5	+0.3	-1.5
T 2	-4.5	-4.5	-3.8	-3.8	-5.8	-2.2	-1.0	-0.8	-1.8	-3.0
T 3	-18.3	-20.3	-15.3	-13.3	-9.5	-3.2	-3.0	-2.5	-1.0	-1.0

BASE EXCESS (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	-10.7	-9.2	-5.7	-5.9	-4.5	-3.8	-1.0	-2.5	-4.6	+2.0
T 5	-	-20.8	-16.0	-14.7	-8.6	-8.0	-8.0	-9.2	-5.8	-6.8
T 6	-4.8	-6.5	-5.0	-4.3	-7.2	-6.0	-2.3	-0.3	-5.0	-3.0
T 7	-	-4.5	-4.0	-2.3	-2.3	-1.5	-1.0	-0.0	-4.0	-1.7

BLOOD STANDARD BICARBONATE (mEq/L. Plasma)

Full-term normal infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
N 1	19.7	19.3	18.2	21.5	22.5	21.7	23.5	22.5	21.7	20.7	
N 2	-	18.0	21.0	22.7	22.5	23.0	23.0	23.6	23.1	23.5	
N 3	21.3	21.1	21.1	21.6	21.0	21.6	22.2	20.5	-	-	
N 4	19.3	21.7	21.2	21.5	23.0	22.5	22.0	20.8	21.2	22.2	
N 5	19.5	20.3	21.2	20.7	21.7	22.0	24.3	24.6	24.0	-	
N 6	22.0	21.5	20.2	23.5	23.0	23.3	22.5	25.8	24.5	23.5	
N 7	20.0	19.0	20.0	20.0	20.5	21.0	22.5	22.0	22.0	22.0	
N 8	21.0	21.4	20.2	18.8	18.8	19.6	20.3	20.5	20.5	19.2	
N 9	17.6	18.5	21.6	20.8	20.5	21.0	22.0	23.0	21.6	23.0	
N 10	18.0	17.3	16.8	19.7	20.3	20.3	21.6	22.2	22.2	22.6	
N 11	16.5	16.8	19.0	19.0	20.3	18.8	20.3	20.3	20.3	19.3	
N 12	17.7	19.5	19.5	20.0	22.8	20.7	24.0	24.1	23.0	22.0	
N 13	21.6	19.8	20.6	21.7	22.7	22.2	23.0	21.8	-	-	
N 14	20.1	20.7	19.4	20.6	21.7	22.7	23.0	24.2	23.4	-	
N 15	18.8	18.8	20.3	21.7	21.6	23.1	22.3	22.1	20.6	18.8	
N 16	20.0	20.8	20.2	21.2	21.5	22.0	23.0	23.0	23.0	22.0	

BLOOD STANDARD BICARBONATE (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	12.2	15.2	16.7	18.3	19.5	20.0	15.0	19.0	16.3	
D 2	16.4	14.4	15.7	19.5	21.5	23.2	22.0	20.4	22.9	18.5	
D 3	14.5	17.4	18.7	20.2	21.3	21.0	22.0	-	-	-	
D 4	18.0	18.5	19.2	22.0	23.2	22.5	21.5	22.8	24.0	22.7	
D 5	19.4	20.2	19.0	20.8	22.1	21.7	20.7	21.8	23.1	23.1	
D 6	19.3	19.3	19.7	20.2	20.2	20.3	19.4	21.5	22.0	22.0	
D 7	21.3	22.5	22.5	23.0	22.7	22.0	23.5	23.0	23.5	24.0	
D 8	16.8	16.8	19.8	20.7	22.0	20.7	23.2	23.2	22.3	21.2	
D 9	-	18.3	20.3	20.0	22.0	22.0	21.8	19.8	20.7	21.7	
D 10	-	17.3	17.5	18.8	20.3	23.0	22.0	20.7	21.7	22.2	
D 11	19.0	19.5	20.2	21.7	21.7	24.0	23.0	23.5	24.0	24.5	
D 12	15.2	15.8	16.7	19.4	20.5	22.4	20.0	23.5	23.5	22.0	
D 13	17.5	16.8	18.4	22.0	21.0	23.0	22.0	23.0	23.0	22.2	
D 14	17.5	18.3	19.5	18.4	20.3	19.4	20.3	21.5	21.2	23.2	
D 15	13.7	12.8	16.8	19.2	19.2	21.2	21.2	24.0	22.2	22.2	
D 16	-	18.0	20.3	19.7	20.2	20.5	23.0	21.7	21.7	21.5	

BLOOD STANDARD BICARBONATE (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	19.5	20.0	21.3	20.7	22.0	23.0	23.3	24.5	21.7	22.7
D 18	-	17.3	18.2	20.5	21.0	22.0	22.0	21.7	23.3	24.2
D 19	-	22.7	22.5	21.8	22.5	23.5	24.3	25.0	24.5	24.0

Healthy premature infants:

P 1	-	20.7	20.6	20.4	19.8	20.2	20.6	21.7	20.2	20.7
P 2	15.3	16.3	16.3	15.0	15.2	18.0	18.8	22.0	18.4	18.6
P 3	19.0	19.7	20.2	21.7	21.0	22.5	23.2	23.0	22.5	23.2
P 4	20.2	20.2	21.5	22.5	24.2	24.3	24.0	22.0	23.5	22.7
P 5	-	20.3	20.7	21.5	23.0	22.5	21.7	22.0	22.0	21.7
P 6	19.3	21.7	22.0	21.7	22.5	21.5	23.2	23.2	25.5	24.5
P 7	17.2	17.2	19.2	19.7	19.7	20.3	19.8	21.5	22.5	21.7
P 8	18.3	18.3	19.3	19.8	20.3	19.8	19.7	19.8	20.5	20.5
P 9	19.0	19.0	20.2	20.2	21.0	18.2	18.3	19.3	19.3	19.8
P 10	19.3	19.3	19.3	21.5	21.5	23.0	22.5	22.7	22.7	22.0

BLOOD STANDARD BICARBONATE (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	19.0	18.9	21.5	21.2	21.0	23.5	22.7	22.2	23.2	22.7
L 2	18.2	19.4	19.8	21.0	21.0	21.2	22.2	21.8	19.3	14.7
L 3	19.2	19.3	19.7	21.0	22.0	22.5	22.0	22.0	23.0	23.0
L 4	17.2	19.2	20.0	19.7	20.7	20.7	20.2	20.7	22.5	21.3
L 5	17.2	19.2	20.2	20.0	20.0	19.7	20.7	19.0	20.5	20.2
L 6	20.0	20.8	21.7	23.2	22.0	22.0	22.7	22.7	24.2	-
L 7	-	19.3	19.3	21.5	21.2	22.0	23.8	22.6	22.5	23.0
L 8	18.5	18.5	20.7	21.3	22.0	22.0	21.5	22.2	21.5	22.5
L 9	-	19.5	20.5	21.5	22.5	22.5	24.0	25.3	23.0	23.2
L 10	-	18.7	19.0	20.0	21.3	22.5	23.7	23.0	22.0	21.5
L 11	17.5	19.0	18.7	20.0	21.5	22.0	22.5	22.3	23.0	22.5

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	12.2	14.6	17.5	19.2	17.8	19.7	23.2	23.5	24.0	22.7
T 2	20.7	20.7	21.3	21.2	19.8	22.2	23.2	23.2	22.5	21.7
T 3	12.4	12.0	13.7	15.0	17.0	21.5	21.7	22.2	23.0	21.5

CC
CC
C2

BLOOD STANDARD BICARBONATE (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	16.3	17.5	20.0	20.0	20.6	21.1	21.3	22.0	20.5	25.5
T 5	-	11.7	13.4	14.7	18.0	18.5	18.5	17.7	19.8	19.3
T 6	20.5	19.3	20.2	20.7	18.8	19.7	22.0	23.7	20.0	21.7
T 7	-	20.7	21.0	22.2	22.2	22.7	23.3	24.0	21.3	22.5

BLOOD ACTUAL BICARBONATE (mEq/L. Plasma)

Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	22.0	23.0	17.7	22.5	23.5	21.7	23.5	22.4	21.7	20.7
N 2	-	16.2	21.8	24.0	23.5	23.2	23.0	24.5	23.4	23.5
N 3	22.9	20.1	19.4	20.0	19.5	19.8	19.6	18.5	-	-
N 4	19.7	21.7	20.4	20.5	22.7	21.3	20.7	17.7	19.3	20.7
N 5	19.5	20.7	20.5	20.0	21.0	21.5	25.5	25.5	23.5	-
N 6	23.2	21.5	19.7	24.5	22.7	23.3	22.4	27.3	24.5	23.4
N 7	22.5	20.0	19.7	19.5	20.2	19.5	22.0	21.5	20.3	21.5
N 8	22.0	22.0	18.5	17.0	15.8	17.0	19.4	18.5	18.7	16.7
N 9	18.8	18.0	20.5	20.0	19.5	20.0	21.0	22.2	20.0	22.2
N 10	20.8	21.5	19.2	19.6	18.3	18.0	20.7	19.8	21.6	21.8
N 11	19.0	18.5	20.3	17.5	19.3	17.0	17.9	17.9	18.0	17.3
N 12	15.8	19.5	19.3	19.0	23.5	19.3	23.0	23.3	23.3	21.5
N 13	22.6	20.0	20.5	21.9	22.9	21.5	22.3	19.5	-	-
N 14	23.3	22.2	20.5	19.5	21.6	23.2	22.5	24.2	23.4	-
N 15	20.0	18.8	20.7	22.1	21.8	23.2	20.1	21.4	19.5	16.7
N 16	21.5	23.8	20.2	19.5	20.5	21.0	22.0	21.5	22.2	21.0

BLOOD ACTUAL BICARBONATE (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	13.0	14.5	15.0	17.5	16.5	17.3	9.5	16.5	11.5	
D 2	17.8	14.4	14.0	19.0	20.0	21.8	20.3	18.7	20.3	15.9	
D 3	13.1	16.0	16.4	18.2	18.2	17.3	20.0	-	-	-	
D 4	18.8	19.0	19.4	22.0	23.4	22.5	20.2	20.3	24.0	21.8	
D 5	21.8	20.3	19.0	21.2	22.8	21.0	19.0	20.5	23.0	23.2	
D 6	19.5	19.5	20.7	20.1	19.0	18.0	16.5	20.5	21.2	20.2	
D 7	26.5	25.0	26.0	23.0	23.5	21.2	24.5	23.0	23.2	24.0	
D 8	17.2	16.2	18.0	19.3	21.3	18.3	22.2	23.0	20.5	18.7	
D 9	-	17.8	20.7	19.8	22.0	21.3	21.3	18.0	19.3	21.0	
D 10	-	16.7	16.0	17.5	19.0	22.3	21.3	18.2	19.2	20.5	
D 11	19.0	19.0	20.0	21.0	21.0	24.5	21.5	24.0	24.5	23.5	
D 12	17.0	16.3	18.0	20.0	20.5	24.0	22.5	23.0	22.0	22.0	
D 13	18.2	15.3	16.5	21.3	19.5	21.8	20.2	22.0	21.5	20.6	
D 14	20.8	19.5	19.4	17.8	17.6	18.4	17.3	20.0	18.3	23.8	
D 15	13.7	11.1	17.3	19.3	18.2	19.3	19.3	23.0	21.0	20.3	
D 16	-	18.7	22.0	19.3	19.5	19.0	23.7	21.0	21.0	20.5	

BLOOD ACTUAL BICARBONATE (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	21.0	21.5	22.5	21.5	24.5	25.5	23.3	25.0	18.5	22.0
D 18	-	14.6	17.3	20.5	20.0	21.7	20.0	20.0	23.3	23.2
D 19	-	26.5	25.5	21.8	24.5	23.5	23.5	25.5	25.5	24.0

Healthy premature infants:

P 1	-	25.1	22.0	21.8	19.8	20.2	19.6	21.7	18.0	20.7
P 2	15.7	14.2	14.2	11.6	12.0	14.6	17.5	20.0	18.4	18.5
P 3	21.2	20.5	20.8	21.0	20.3	21.5	21.2	22.5	21.7	23.8
P 4	23.5	24.0	23.2	23.5	25.5	25.2	24.7	21.5	23.0	22.0
P 5	-	22.7	22.5	21.5	24.0	21.8	20.2	21.2	22.0	21.0
P 6	20.2	22.2	23.0	22.5	23.0	20.2	22.5	23.0	26.0	24.2
P 7	18.2	17.7	21.0	20.5	20.5	20.7	18.5	21.5	22.5	21.0
P 8	20.7	20.7	21.3	19.5	22.3	19.8	20.0	19.8	20.2	20.2
P 9	19.0	18.2	20.5	20.5	21.5	15.8	15.2	18.0	18.5	18.5
P 10	20.2	20.0	18.5	21.3	20.0	23.5	22.0	22.5	22.5	20.3

BLOOD ACTUAL BICARBONATE (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
L 1	23.0	17.4	21.6	20.2	19.2	23.5	21.2	20.0	21.7	21.2	
L 2	21.7	22.2	22.7	22.2	22.2	22.3	22.7	21.0	17.2	16.3	
L 3	19.5	18.5	19.7	20.7	22.0	22.0	20.0	20.0	23.0	22.5	
L 4	17.7	20.0	21.5	19.0	20.7	20.0	17.7	17.0	21.5	17.3	
L 5	18.7	20.5	20.5	18.0	17.5	17.5	18.2	16.2	18.5	17.7	
L 6	19.0	20.8	21.7	23.5	22.3	22.3	22.7	22.7	24.5	-	
L 7	-	20.5	20.0	21.7	20.3	21.3	24.2	21.8	21.5	23.0	
L 8	17.0	16.5	20.0	20.5	21.3	20.5	19.2	20.4	19.5	21.0	
L 9	-	20.5	21.3	23.3	24.0	22.5	25.0	27.0	21.8	22.4	
L 10	-	19.5	19.0	20.0	21.7	23.0	24.5	22.3	20.2	18.5	
L 11	17.8	19.0	17.8	18.5	20.5	21.5	22.0	21.5	22.7	22.0	

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	14.3	12.4	15.0	18.5	15.2	15.7	20.5	21.5	22.0	22.0
T 2	23.0	23.0	21.3	20.3	18.3	22.4	22.5	22.3	22.0	20.5
T 3	15.5	12.0	12.0	12.6	16.2	20.7	21.0	20.8	22.3	22.5

BLOOD ACTUAL BICARBONATE (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	15.3	18.5	22.0	17.6	19.2	19.6	20.8	19.2	18.3	26.3
T 5	-	8.6	10.3	9.3	14.0	13.0	13.0	14.5	18.1	17.2
T 6	21.3	18.2	19.5	19.5	17.3	17.5	20.0	22.5	18.5	19.8
T 7	-	23.2	22.7	23.5	21.3	22.7	23.3	24.0	19.5	22.5

BLOOD CARBONIC ACID (mEq/L. Plasma)

Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	1.44	1.59	1.14	1.62	1.32	1.20	1.23	1.17	1.23	1.17
N 2	-	1.00	1.29	1.32	1.29	1.23	1.20	1.29	1.23	1.22
N 3	1.35	1.08	1.02	1.04	1.02	1.02	0.96	0.93	-	-
N 4	1.25	1.20	1.13	1.08	1.17	1.05	1.05	0.93	1.02	1.06
N 5	1.20	1.24	1.12	1.12	1.08	1.08	1.30	1.30	1.12	-
N 6	1.38	1.20	1.12	1.30	1.17	1.20	1.17	1.38	1.20	1.17
N 7	1.50	1.29	1.17	1.12	1.17	0.99	1.08	1.08	1.02	1.12
N 8	1.35	1.29	0.99	0.99	0.90	0.90	1.02	0.96	0.96	0.91
N 9	1.35	1.12	1.08	1.12	1.08	1.08	1.02	1.09	1.02	1.08
N 10	1.59	1.65	1.44	1.18	1.00	0.96	1.09	0.94	1.12	1.12
N 11	1.53	1.41	1.35	1.03	1.08	0.96	0.93	0.93	0.96	0.97
N 12	1.00	1.20	1.15	1.12	1.26	1.06	1.12	1.12	1.23	1.12
N 13	1.38	1.25	1.18	1.25	1.25	1.12	1.12	1.00	-	-
N 14	1.53	1.41	1.32	1.08	1.18	1.26	1.12	1.20	1.20	-
N 15	1.32	1.20	1.26	1.24	1.23	1.23	1.00	1.12	1.08	0.96
N 16	1.35	1.50	1.20	1.05	1.08	1.08	1.08	1.03	1.12	1.08

BLOOD CARBONIC ACID (CONTINUED)Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	1.32	1.08	0.96	1.08	0.78	0.81	0.48	0.79	0.49	
D 2	1.62	1.20	0.90	1.13	1.00	0.97	0.93	0.75	0.81	0.75	
D 3	1.00	0.97	0.90	0.96	1.01	0.80	1.01	-	-	-	
D 4	1.29	1.26	1.23	1.18	1.23	1.18	1.03	0.97	1.20	1.12	
D 5	1.44	1.23	1.20	1.26	1.26	1.12	1.02	1.08	1.17	1.23	
D 6	1.24	1.24	1.30	1.18	1.06	0.99	0.93	1.08	1.12	1.02	
D 7	1.65	1.44	1.53	1.20	1.26	1.12	1.29	1.19	1.19	1.20	
D 8	1.24	1.12	1.00	1.06	1.12	0.96	1.12	1.18	1.05	0.99	
D 9	-	1.12	1.23	1.17	1.20	1.12	1.12	1.02	1.06	1.12	
D 10	-	1.08	1.02	1.03	1.02	1.12	1.12	0.96	0.99	1.05	
D 11	1.20	1.12	1.17	1.12	1.12	1.23	1.05	1.23	1.23	1.12	
D 12	1.65	1.32	1.41	1.29	1.21	1.44	1.68	1.13	0.95	1.20	
D 13	1.32	1.00	0.96	1.12	1.02	1.05	0.99	1.08	1.03	1.03	
D 14	1.65	1.38	1.17	1.12	0.93	1.06	0.91	1.03	1.06	1.24	
D 15	1.20	0.95	1.26	1.23	1.05	1.02	1.02	1.12	1.08	1.02	
D 16	-	1.29	1.38	1.17	1.12	1.08	1.26	1.12	1.12	1.08	

BLOOD CARBONIC ACID (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	1.32	1.32	1.32	1.26	1.41	1.41	1.20	1.26	0.93	1.12
D 18	-	0.95	1.12	1.20	1.12	1.17	1.05	1.05	1.20	1.12
D 19	-	1.50	1.44	1.20	1.35	1.23	1.12	1.23	1.29	1.23

Healthy premature infants:

P 1	-	1.71	1.35	1.32	1.20	1.19	1.08	1.19	0.98	1.20
P 2	1.24	0.90	0.90	0.75	0.70	0.78	1.03	0.99	1.20	1.17
P 3	1.47	1.29	1.26	1.12	1.06	1.08	1.02	1.12	1.12	1.23
P 4	1.65	1.65	1.41	1.29	1.35	1.29	1.26	1.12	1.12	1.06
P 5	-	1.47	1.38	1.20	1.29	1.12	1.00	1.12	1.20	1.12
P 6	1.26	1.26	1.29	1.26	1.23	1.03	1.12	1.18	1.23	1.17
P 7	1.32	1.26	1.38	1.29	1.29	1.26	1.06	1.18	1.18	1.12
P 8	1.53	1.53	1.41	1.26	1.41	1.20	1.23	1.20	1.17	1.17
P 9	1.20	1.12	1.23	1.23	1.23	0.90	0.85	1.06	1.12	1.17
P 10	1.29	1.26	1.12	1.17	1.05	1.23	1.12	1.17	1.17	1.02

BLOOD CARBONIC ACID (CONTINUED)Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	1.68	1.05	1.23	1.08	0.99	1.20	1.06	1.00	1.06	1.06
L 2	1.50	1.47	1.47	1.35	1.35	1.32	1.26	1.12	0.99	1.44
L 3	1.23	1.12	1.20	1.17	1.20	1.17	0.99	0.99	1.20	1.17
L 4	1.26	1.29	1.32	1.12	1.20	1.12	0.96	0.90	1.08	0.90
L 5	1.38	1.38	1.23	1.02	0.96	0.96	0.96	0.91	0.96	0.96
L 6	1.12	1.12	1.20	1.23	1.23	1.23	1.20	1.20	1.20	-
L 7	-	1.32	1.26	1.23	1.12	1.12	1.23	1.12	1.08	1.18
L 8	1.05	0.99	1.12	1.12	1.12	1.05	0.99	1.02	1.05	1.02
L 9	-	1.29	1.29	1.38	1.35	1.20	1.32	1.35	1.06	1.12
L 10	-	1.29	1.20	1.20	1.23	1.26	1.29	1.12	1.02	0.93
L 11	1.23	1.20	1.08	1.02	1.08	1.12	1.12	1.12	1.17	1.12

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	1.53	0.90	0.90	1.13	1.00	0.83	0.96	0.99	0.99	1.05
T 2	1.50	1.50	1.20	1.20	1.03	1.23	1.12	1.12	1.08	1.08
T 3	1.71	1.20	0.96	0.90	1.08	1.12	1.12	1.08	1.12	1.12

BLOOD CARBONIC ACID (CONTINUED)Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	1.06	1.32	1.38	0.99	1.04	1.04	1.00	0.90	0.96	1.32
T 5	-	0.76	0.60	0.79	0.69	0.69	0.85	1.02	0.99	0.96
T 6	1.32	1.08	1.12	1.08	1.02	0.96	1.00	1.08	1.02	1.02
T 7	-	1.53	1.44	1.32	1.12	1.20	1.20	1.20	1.05	1.18

BLOOD BICARBONATE/CARBONIC ACIDFull-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	15.3	14.5	15.5	13.9	17.7	18.1	19.1	19.1	17.9	17.7
N 2	-	16.2	16.9	18.2	18.2	18.8	19.1	19.0	19.0	19.2
N 3	17.0	19.0	19.0	19.2	19.1	19.4	20.4	20.0	-	-
N 4	15.7	18.1	18.5	19.0	19.4	20.2	19.7	19.0	18.9	19.5
N 5	16.3	16.7	18.3	17.9	19.4	20.0	19.6	19.6	21.0	-
N 6	16.9	18.0	17.6	18.8	19.4	19.4	19.1	20.0	20.0	20.0
N 7	15.0	15.5	16.8	17.4	17.3	19.7	20.3	20.0	20.0	19.2
N 8	16.3	17.0	18.7	17.2	17.5	18.8	19.0	19.2	19.4	18.1
N 9	14.0	16.1	19.0	17.9	18.0	18.5	20.5	20.4	19.7	20.5
N 10	13.1	13.0	13.3	16.6	18.3	18.8	19.0	21.0	19.3	19.4
N 11	12.4	13.1	15.0	17.0	17.8	17.7	19.2	19.2	18.7	17.9
N 12	15.8	16.2	16.7	16.9	18.6	18.2	20.5	20.7	19.0	19.2
N 13	16.3	16.0	17.3	17.5	18.3	19.2	20.0	19.5	-	-
N 14	15.2	15.7	15.5	18.0	18.4	18.4	20.1	20.1	19.5	-
N 15	15.5	15.7	16.8	17.8	17.7	18.9	20.1	19.9	18.0	17.1
N 16	15.2	15.2	16.8	18.5	19.0	19.4	20.3	20.8	20.0	19.4

BLOOD BICARBONATE/CARBONIC ACID (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	9.9	13.4	15.6	16.2	21.1	21.3	20.0	20.8	24.3	
D 2	10.0	12.0	15.5	16.8	20.0	22.4	21.8	24.9	25.0	21.2	
D 3	13.1	16.3	18.2	19.0	18.2	21.6	19.8	-	-	-	
D 4	14.5	15.0	15.7	18.6	19.0	19.0	19.6	20.9	20.0	19.9	
D 5	15.1	16.4	15.8	16.8	18.1	18.7	18.6	19.0	20.0	18.8	
D 6	15.7	15.7	15.9	17.0	17.9	18.2	17.7	19.0	19.0	19.8	
D 7	16.0	17.3	17.0	19.2	18.6	18.9	19.0	19.2	19.4	20.0	
D 8	13.9	14.4	18.0	18.2	19.0	19.0	19.8	19.5	19.5	18.8	
D 9	-	15.9	16.8	16.9	18.3	19.0	19.0	17.6	18.2	18.7	
D 10	-	15.4	15.7	17.0	18.6	20.0	19.0	18.9	19.4	19.5	
D 11	15.8	15.8	17.1	18.7	18.7	20.0	20.0	19.5	20.0	20.1	
D 12	10.3	12.3	12.8	15.5	16.9	16.6	13.4	20.3	22.1	18.3	
D 13	13.8	15.3	17.2	19.0	19.1	20.7	20.4	20.4	20.9	20.0	
D 14	12.6	14.1	16.5	15.8	18.9	17.3	19.0	19.4	17.2	19.2	
D 15	11.4	11.6	13.7	15.6	17.3	19.0	19.0	20.5	19.4	20.0	
D 16	-	14.5	15.9	16.5	17.4	17.6	18.8	18.7	18.7	19.0	

BLOOD BICARBONATE/CARBONIC ACID (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	15.9	16.2	17.0	17.0	17.3	18.0	19.4	19.8	20.0	19.6
D 18	-	15.3	15.4	17.0	17.8	18.5	19.0	19.0	19.4	20.0
D 19	-	17.6	17.7	18.1	18.1	19.1	20.1	20.0	19.9	19.5

Healthy premature infants:

P 1	-	14.6	16.3	16.5	16.5	17.0	18.1	18.2	18.3	17.3
P 2	12.9	16.0	16.0	15.4	17.1	18.7	16.9	20.2	15.3	15.8
P 3	14.4	15.9	16.5	18.7	19.1	20.0	20.7	20.0	19.4	19.3
P 4	14.2	14.5	16.4	18.2	18.9	19.5	19.6	19.2	20.0	20.7
P 5	-	15.4	16.3	17.9	18.6	19.4	20.2	19.0	18.3	18.7
P 6	16.0	17.8	17.8	17.8	18.7	19.6	20.0	19.5	21.1	20.6
P 7	13.8	14.0	15.2	15.8	15.8	16.4	17.4	18.2	19.0	18.7
P 8	13.5	13.5	15.1	15.4	15.8	16.5	16.2	16.5	17.2	17.2
P 9	15.8	16.2	16.6	16.6	17.4	17.5	17.8	17.0	16.5	15.8
P 10	15.6	15.8	16.5	18.2	19.0	19.9	17.8	19.2	19.2	20.0

BLOOD BICARBONATE/CARBONIC ACID (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	13.7	16.5	17.5	18.7	19.4	19.6	20.0	20.0	20.4	20.0
L 2	14.5	15.1	15.4	16.2	16.2	16.9	18.0	17.5	17.3	11.3
L 3	15.8	16.5	16.4	17.7	18.3	18.8	20.2	20.2	19.1	19.2
L 4	14.0	15.5	16.3	17.0	17.2	17.8	18.4	18.8	19.9	19.6
L 5	13.5	14.8	16.6	17.6	18.2	18.2	19.0	17.8	19.2	18.3
L 6	17.0	18.5	18.1	19.1	18.1	18.1	18.9	18.9	20.4	-
L 7	-	15.5	15.9	17.6	18.1	19.0	19.7	19.5	19.9	19.5
L 8	16.2	16.6	17.8	18.3	19.0	19.5	19.4	20.0	18.5	20.5
L 9	-	15.8	16.5	16.8	17.7	18.7	18.9	20.0	20.0	20.0
L 10	-	15.1	15.8	16.6	17.6	18.2	19.0	20.0	19.8	20.0
L 11	14.4	15.8	16.5	18.1	19.0	19.2	19.6	19.2	19.4	19.6

Infants delivered by difficult obstetric procedures with maternal toxemia:

T 1	9.4	14.8	16.6	16.4	15.2	18.9	21.4	21.7	22.2	20.9
T 2	15.3	15.3	17.7	18.1	17.7	18.2	20.0	20.0	20.4	19.0
T 3	9.0	10.0	12.4	14.0	15.0	18.5	18.7	19.2	20.0	20.0

BLOOD BICARBONATE/CARBONIC ACID (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	14.4	14.0	16.0	17.7	18.4	18.8	20.8	21.3	19.2	20.0
T 5	-	11.3	13.5	15.5	17.7	18.8	18.8	17.0	17.1	17.3
T 6	16.1	16.8	17.4	18.0	17.0	20.0	20.0	20.8	18.1	19.4
T 7	-	15.1	15.7	17.8	19.0	18.9	19.4	20.0	18.5	19.0

PLASMA POTASSIUM (mEq/L.)

Full-term normal infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
N 1	7.0	6.0	5.8	5.4	5.3	5.1	5.4	6.7	5.3	5.9	
N 2	-	6.7	6.2	5.6	5.2	5.4	6.0	6.0	5.1	6.4	
N 3	5.4	5.0	4.8	4.5	5.0	5.2	5.4	5.2	-	-	
N 4	6.1	5.8	5.8	5.1	5.0	5.0	5.4	5.6	5.2	4.5	
N 5	5.0	5.2	5.3	5.0	5.1	5.0	5.1	4.7	5.4	-	
N 6	5.2	5.1	4.9	4.8	4.9	5.0	5.2	5.3	4.7	4.7	
N 7	5.1	5.0	4.4	4.7	5.0	5.0	4.6	4.3	4.5	4.4	
N 8	4.7	4.6	4.6	4.6	4.8	5.0	4.9	5.0	5.3	5.2	
N 9	4.8	5.2	5.0	5.1	5.3	4.8	4.7	6.3	4.0	-	
N 10	4.3	5.3	5.1	5.4	5.3	4.9	4.4	4.6	4.2	4.5	
N 11	4.5	4.7	4.7	4.2	4.5	4.7	4.6	3.8	4.2	4.3	
N 12	4.9	4.9	4.6	4.9	5.5	5.0	5.2	5.2	4.0	5.1	
N 13	5.0	4.8	4.7	4.7	5.1	4.8	4.3	4.7	-	-	
N 14	5.7	5.1	5.0	5.3	6.1	6.0	6.0	6.5	4.4	-	
N 15	5.8	5.3	5.0	6.0	5.4	5.8	6.1	5.3	5.2	4.2	
N 16	4.5	4.5	4.1	4.7	4.1	4.8	4.4	4.4	4.1	4.4	

PLASMA POTASSIUM (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	6.9	6.7	6.2	6.3	6.4	6.7	-	6.4	6.1
D 2	6.6	6.1	6.0	5.2	5.0	5.0	5.6	5.7	5.0	4.8
D 3	6.1	5.8	5.8	5.8	5.6	5.6	5.8	-	-	-
D 4	5.4	5.4	5.2	4.8	5.4	5.2	5.3	5.2	5.2	5.0
D 5	7.0	6.3	6.0	6.0	5.8	5.7	5.8	6.0	6.0	5.6
D 6	6.8	6.4	6.2	6.4	6.2	6.3	6.2	6.4	6.2	6.4
D 7	5.9	5.5	5.8	6.0	5.8	5.4	5.3	4.7	3.9	3.8
D 8	5.7	5.2	5.6	5.8	4.8	4.5	4.9	4.2	4.1	4.4
D 9	-	5.0	4.9	5.0	4.5	4.5	4.4	4.5	3.7	3.3
D 10	-	5.5	5.1	5.1	4.9	4.7	3.9	4.7	4.8	4.2
D 11	5.5	5.0	5.0	5.2	5.0	5.2	4.8	5.2	3.6	4.0
D 12	6.0	5.5	5.8	5.7	5.5	6.2	4.7	4.5	4.8	4.4
D 13	5.4	5.1	5.1	4.7	4.7	4.5	4.5	4.3	5.4	4.6
D 14	5.9	5.8	6.0	5.0	4.8	4.9	4.7	4.6	5.6	5.9
D 15	5.3	5.8	5.8	5.6	5.6	5.8	5.7	5.8	5.8	5.0
D 16	-	6.1	6.0	5.8	5.8	6.0	5.7	5.7	5.1	4.2

PLASMA POTASSIUM (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	4.5	5.0	5.1	4.8	5.2	5.6	4.9	5.5	5.7	5.5
D 18	-	6.0	5.9	5.0	5.3	5.5	5.5	5.3	4.5	4.8
D 19	-	5.9	6.2	5.6	5.3	5.4	4.9	4.4	4.9	5.2

Healthy premature infants:

P 1	6.5	8.1	7.2	7.2	6.3	5.7	5.7	-	-	5.6
P 2	4.6	3.8	4.1	3.9	5.6	4.5	5.1	4.2	4.2	4.7
P 3	5.7	5.7	5.5	5.8	5.6	5.0	5.0	5.8	6.0	5.3
P 4	5.5	5.5	5.5	5.6	5.9	5.4	4.9	5.5	5.5	4.6
P 5	6.5	6.3	6.6	6.2	5.5	5.5	5.6	6.3	-	4.6
P 6	5.3	5.1	5.5	5.2	5.2	4.8	4.9	4.5	4.5	4.6
P 7	5.5	5.0	5.2	3.7	5.5	4.3	4.3	3.9	3.9	4.4
P 8	5.6	5.5	5.9	3.5	5.7	4.5	3.9	4.1	3.5	3.7
P 9	5.4	5.1	4.0	3.9	4.8	3.6	3.9	3.9	4.9	4.2
P 10	5.2	4.3	4.6	4.7~	4.4	5.2	4.8	4.3	4.6	5.0

PLASMA POTASSIUM (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	6.0	6.3	5.9	6.2	5.4	5.3	4.7	5.3	5.3	4.0
L 2	6.9	5.8	4.4	6.0	6.2	6.8	6.2	6.3	6.1	6.1
L 3	6.0	5.6	5.3	4.8	4.8	5.2	4.4	4.5	4.6	4.5
L 4	6.0	5.5	5.9	6.3	6.0	6.0	6.1	5.3	4.1	4.1
L 5	5.6	4.9	4.3	3.6	3.4	3.5	3.6	4.4	3.0	2.7
L 6	5.6	4.5	4.0	4.3	4.0	4.3	4.7	5.4	4.2	-
L 7	-	5.3	4.8	4.4	4.8	4.1	4.3	4.3	4.5	4.4
L 8	6.3	5.8	5.6	5.6	5.5	5.8	5.6	5.4	5.6	5.8
L 9	-	5.4	5.2	4.8	5.5	4.5	4.5	4.5	5.4	4.3
L 10	-	5.0	4.9	3.8	5.1	4.6	4.9	4.2	4.9	3.5
L 11	5.6	5.6	5.9	5.3	4.3	5.0	4.8	5.0	3.9	4.5

Infants delivered by difficult obstetric procedures with maternal toxemia:

T 1	6.1	6.6	6.2	5.8	5.4	4.3	5.2	5.1	4.4	4.1
T 2	6.7	5.5	5.5	5.5	4.6	6.1	5.6	5.9	5.5	4.3
T 3	5.1	5.3	5.0	5.2	5.3	5.4	5.0	4.3	5.2	5.0

PLASMA POTASSIUM (CONTINUED)

Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	5.5	4.4	4.0	4.7	4.5	5.1	4.9	5.6	4.4	4.5
T 5	-	6.2	6.5	6.0	6.4	5.9	6.2	-	-	-
T 6	5.7	5.8	5.5	5.5	5.6	5.0	5.2	5.3	5.9	4.8
T 7	-	4.7	4.6	4.4	4.2	4.0	3.4	3.4	4.2	3.5

PLASMA SODIUM (mEq/L.)Full-term normal infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
N 1	140	150	148	148	140	144	144	148	140	148	
N 2	-	134	130	136	140	138	138	138	136	138	
N 3	148	144	142	140	140	140	142	136	-	-	
N 4	146	136	142	138	142	144	148	148	138	144	
N 5	134	132	132	136	140	140	142	142	142	-	
N 6	144	146	146	144	144	146	146	144	144	142	
N 7	140	138	140	140	142	144	146	140	142	138	
N 8	142	140	138	142	138	140	138	138	144	142	
N 9	148	144	142	138	138	140	138	138	138	136	
N 10	148	152	158	158	148	146	152	154	154	150	
N 11	160	156	154	150	150	150	148	140	144	146	
N 12	136	144	136	134	136	144	142	142	142	142	
N 13	144	142	148	148	148	148	148	144	-	-	
N 14	146	148	144	148	142	146	148	136	140	-	
N 15	138	142	142	136	142	138	138	140	138	144	
N 16	134	134	140	148	134	138	132	140	138	136	

PLASMA SODIUM (CONTINUED)Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	138	138	136	138	142	142	-	138	142
D 2	138	136	136	136	140	136	134	136	144	146
D 3	136	138	138	146	146	146	148	-	-	-
D 4	140	148	142	140	142	148	144	146	148	148
D 5	138	138	138	134	136	136	138	138	138	140
D 6	140	140	136	136	134	132	134	136	138	136
D 7	140	142	138	140	142	138	138	138	136	138
D 8	148	150	148	144	144	144	144	142	144	146
D 9	-	144	142	146	148	148	146	144	148	146
D 10	-	144	140	138	140	142	144	146	142	142
D 11	140	142	138	138	142	146	144	142	142	140
D 12	138	142	136	136	140	130	132	136	138	136
D 13	138	138	138	136	140	142	142	136	136	144
D 14	158	144	146	146	152	144	138	148	150	142
D 15	146	144	146	148	144	144	142	148	152	148
D 16	-	142	140	142	140	138	140	142	142	142

PLASMA SODIUM (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	146	146	142	144	142	140	140	142	146	146
D 18	-	144	138	138	144	138	138	142	138	140
D 19	-	146	142	144	140	142	146	146	146	142

Healthy premature infants:

P 1	-	140	136	144	142	152	152	150	142	136
P 2	148	148	144	144	146	146	146	146	152	152
P 3	154	148	152	142	142	138	142	142	134	138
P 4	134	134	136	136	134	134	134	136	138	138
P 5	-	150	148	146	148	148	148	150	152	146
P 6	150	148	146	142	146	142	142	146	146	146
P 7	144	138	138	142	140	138	140	142	140	138
P 8	150	148	148	146	146	144	146	146	144	146
P 9	146	142	142	140	148	148	146	148	146	144
P 10	146	146	142	144	144	144	146	142	134	138

PLASMA SODIUM (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	134	134	128	132	134	140	134	132	136	138
L 2	138	142	150	138	144	140	136	144	146	148
L 3	140	142	148	142	142	144	138	138	138	140
L 4	150	150	152	150	144	146	148	144	140	138
L 5	144	142	146	138	142	142	140	148	138	134
L 6	148	144	140	144	142	144	140	142	140	-
L 7	-	150	150	146	142	148	146	140	136	138
L 8	146	140	142	142	140	138	146	148	150	148
L 9	-	146	152	150	156	146	140	140	136	140
L 10	-	148	148	144	144	142	142	138	138	138
L 11	144	140	144	144	144	144	146	144	142	142

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	142	144	146	142	142	142	142	138	144	142
T 2	136	136	136	138	142	142	140	138	142	140
T 3	146	140	138	138	140	148	144	146	146	146

PLASMA SODIUM (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	142	144	140	142	142	142	144	144	144	146
T 5	-	128	124	124	124	124	128	136	140	136
T 6	148	156	152	154	144	150	146	150	144	142
T 7	-	146	140	142	146	146	148	142	138	138

PLASMA CHLORIDE (mEq/L.)

Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	99	99	101	101	99	101	103	101	110	112
N 2	-	123	114	109	118	114	114	111	105	105
N 3	90	90	97	99	101	101	99	99	-	-
N 4	101	103	101	99	105	105	103	105	101	103
N 5	105	96	93	100	98	105	98	100	93	-
N 6	96	93	93	96	96	98	91	91	96	93
N 7	93	89	89	89	98	103	108	96	93	98
N 8	97	97	106	115	110	103	106	108	108	106
N 9	89	93	96	98	96	96	98	96	96	98
N 10	105	117	114	110	110	110	107	107	117	112
N 11	107	105	112	114	112	107	112	110	114	112
N 12	105	105	110	108	103	112	103	100	100	103
N 13	93	98	102	104	104	100	102	100	-	-
N 14	104	109	104	107	107	107	102	102	100	-
N 15	95	95	98	100	102	104	102	102	102	102
N 16	95	106	108	106	102	102	97	99	97	99

PLASMA CHLORIDE (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	110	108	106	106	100	98	94	91	96	
D 2	102	98	102	104	89	102	102	98	94	91	
D 3	89	87	87	89	85	87	93	-	-	-	
D 4	98	100	98	103	98	100	100	94	98	103	
D 5	104	108	102	106	106	108	108	106	104	102	
D 6	100	102	97	104	100	100	93	102	104	108	
D 7	108	112	102	110	110	102	106	99	99	104	
D 8	95	97	99	95	95	95	95	97	95	95	
D 9	-	106	106	106	108	108	106	110	103	108	
D 10	-	103	106	101	101	106	103	106	106	103	
D 11	90	92	88	88	88	90	92	90	92	92	
D 12	103	99	90	90	90	97	95	99	105	109	
D 13	96	93	93	93	93	98	96	93	91	96	
D 14	94	98	103	94	94	98	96	105	108	98	
D 15	102	98	93	98	100	98	95	100	98	100	
D 16	-	100	102	98	95	100	102	104	102	104	

PLASMA CHLORIDE (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	97	97	95	93	95	91	89	95	93	95
D 18	-	91	97	95	89	93	93	93	95	95
D 19	-	89	91	91	89	86	89	91	93	95

Healthy premature infants:

P 1	-	103	95	103	103	101	93	103	93	99
P 2	94	91	94	91	96	96	96	98	98	96
P 3	100	98	107	107	104	100	100	100	102	104
P 4	109	107	109	104	107	102	102	102	104	107
P 5	-	102	102	98	100	100	102	104	104	107
P 6	108	106	104	108	102	99	102	104	95	97
P 7	102	102	104	109	104	107	104	107	104	104
P 8	107	104	100	98	98	102	107	104	100	104
P 9	93	95	98	98	93	93	100	100	100	104
P 10	100	100	100	98	95	100	104	98	100	109

PLASMA CHLORIDE (CONTINUED)Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	103	103	103	106	106	106	103	108	106	108
L 2	102	102	104	104	104	100	97	102	104	104
L 3	-	-	-	-	-	-	-	-	110	106
L 4	108	116	118	118	116	114	118	106	106	106
L 5	99	95	93	97	97	104	104	104	106	104
L 6	97	97	97	93	95	93	93	95	95	-
L 7	-	107	109	109	107	100	98	98	96	98
L 8	100	104	102	109	111	104	107	111	114	107
L 9	-	98	100	102	107	100	102	102	98	100
L 10	-	109	111	109	109	107	107	102	102	100
L 11	95	93	95	104	100	100	102	100	104	104

Infants delivered by difficult obstetric procedures with maternal toxemia:

T 1	93	93	98	98	96	91	96	89	96	96
T 2	102	102	105	110	108	105	108	105	108	108
T 3	93	93	95	95	95	98	98	102	102	110

PLASMA CHLORIDE (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	100	98	98	100	103	105	100	107	107	98
T 5	-	82	82	77	75	73	77	80	80	86
T 6	95	102	104	104	102	102	107	107	107	107
T 7	-	98	102	98	102	100	102	104	100	102

PLASMA CALCIUM (mg./100 ml.)

Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	10.4	-	-	10.0	10.0	10.0	9.6	9.8	10.0	10.0
N 2	-	9.8	10.0	9.6	9.3	9.3	9.3	9.2	9.8	9.3
N 3	10.8	9.6	8.8	8.8	8.8	8.6	8.8	8.8	-	-
N 4	8.8	9.2	9.6	8.6	8.0	8.0	8.4	8.8	9.6	10.0
N 5	11.7	10.9	10.9	10.7	10.4	10.7	10.9	10.7	12.0	-
N 6	10.5	9.1	9.1	8.4	9.1	8.8	8.6	9.3	9.5	8.8
N 7	10.2	9.1	10.5	9.2	11.3	9.8	9.8	9.1	9.0	9.8
N 8	-	11.1	11.1	10.8	10.2	10.4	10.4	10.6	10.4	10.0
N 9	10.6	10.4	11.3	11.3	10.6	10.6	9.4	10.4	9.6	-
N 10	11.9	11.9	12.5	12.1	11.9	9.8	10.2	10.6	10.6	10.8
N 11	10.6	10.4	11.9	11.1	10.8	10.8	10.8	10.8	11.2	11.4
N 12	11.7	11.2	11.0	10.8	10.8	11.0	9.8	9.8	10.8	8.3
N 13	11.4	10.8	11.8	9.8	10.6	11.0	11.0	11.2	-	-
N 14	10.6	10.0	9.6	9.4	9.4	9.0	9.0	8.7	9.8	-
N 15	11.2	10.0	10.0	9.4	8.8	9.2	9.4	9.6	9.4	11.2
N 16	10.0	9.3	9.8	11.0	9.4	10.2	9.8	9.6	9.3	10.2

PLASMA CALCIUM (CONTINUED)Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	10.8	11.1	-	10.0	8.6	9.0	-	9.0	10.0	
D 2	10.2	11.1	10.0	10.8	9.4	9.0	9.0	8.5	9.8	9.8	
D 3	9.4	9.1	9.2	9.1	8.7	9.0	9.0	-	-	-	
D 4	11.2	10.4	10.4	10.0	9.0	9.5	9.0	9.2	9.5	9.0	
D 5	10.8	9.8	9.2	8.8	10.0	8.3	9.2	9.6	8.7	9.6	
D 6	-	11.4	11.6	10.6	10.6	10.2	9.8	9.2	10.4	10.4	
D 7	10.6	9.4	9.2	10.2	9.2	8.3	8.3	8.3	9.0	9.0	
D 8	11.0	9.8	11.4	9.8	9.8	9.8	11.2	-	-	-	
D 9	-	10.0	8.6	8.8	7.8	7.6	8.6	8.0	8.2	9.0	
D 10	-	8.4	8.4	7.8	8.0	7.8	8.4	9.2	9.0	8.0	
D 11	9.6	8.8	9.4	9.2	8.2	10.0	8.8	9.6	9.8	9.8	
D 12	10.0	9.6	9.6	9.4	9.2	9.4	8.8	8.4	9.6	9.2	
D 13	10.2	10.6	10.2	10.2	10.4	9.8	9.8	8.6	9.8	9.6	
D 14	11.7	11.5	11.0	10.0	10.8	10.6	10.8	9.4	10.8	10.6	
D 15	10.4	10.8	10.8	10.8	9.6	10.0	10.6	9.2	10.4	10.4	
D 16	-	10.3	9.5	9.5	10.2	8.3	8.1	10.5	10.0	10.3	

PLASMA CALCIUM (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	11.0	11.4	11.8	10.1	10.6	11.0	10.3	9.7	11.0	10.3
D 18	-	11.8	10.3	10.8	10.1	10.6	10.8	9.7	10.5	9.7
D 19	-	11.6	11.2	10.2	9.8	11.7	10.0	10.0	9.8	11.0

Healthy premature infants:

P 1	-	9.3	9.3	9.3	8.9	8.7	8.3	8.7	8.7	8.1
P 2	12.3	10.6	11.0	10.4	10.8	10.4	9.6	9.2	9.2	10.2
P 3	10.8	10.4	10.4	10.0	9.8	9.1	9.7	9.1	9.1	9.1
P 4	10.2	9.1	9.5	8.6	8.2	8.2	8.9	8.7	8.5	8.0
P 5	-	10.5	9.5	9.3	9.2	8.4	8.6	9.8	10.8	9.0
P 6	10.0	9.6	9.8	10.4	11.1	9.8	8.7	9.6	8.0	8.5
P 7	9.8	11.0	10.0	10.2	10.2	10.0	9.1	8.9	10.2	10.8
P 8	10.2	10.5	10.3	10.0	9.2	8.1	9.0	8.3	8.6	8.1
P 9	8.9	9.8	9.7	10.3	10.0	10.6	10.5	9.8	10.2	9.7
P 10	10.3	10.3	10.3	9.8	10.2	10.0	10.3	9.7	10.0	9.8

PLASMA CALCIUM (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	11.5	10.4	10.4	10.2	10.2	9.6	10.0	10.0	10.2	10.2
L 2	-	11.2	10.0	10.8	10.0	8.1	8.8	10.6	11.0	11.0
L 3	9.4	11.0	10.6	10.4	9.6	9.8	10.0	10.0	9.6	10.2
L 4	11.4	10.2	11.7	10.8	10.8	10.2	10.8	9.6	9.0	9.4
L 5	9.8	9.4	9.8	9.4	8.8	9.6	9.0	9.8	9.0	10.4
L 6	11.4	11.1	9.6	9.8	10.4	9.6	9.4	8.2	8.2	-
L 7	-	10.8	10.4	10.2	9.1	10.0	11.0	10.0	7.8	9.8
L 8	11.2	10.8	10.2	9.8	9.0	9.0	9.2	9.6	10.4	10.0
L 9	-	9.8	10.4	9.8	11.0	10.6	9.6	9.4	9.6	8.8
L 10	-	10.2	10.2	9.6	9.8	9.6	8.2	8.6	8.4	8.2
L 11	10.3	10.3	10.3	9.2	9.5	10.7	10.3	11.0	10.5	10.3

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	9.6	9.2	8.9	8.9	8.1	8.5	8.1	8.5	8.7	9.2
T 2	10.6	10.8	10.4	10.4	10.6	10.0	9.8	10.0	10.8	10.4
T 3	11.0	10.0	10.2	10.2	9.4	11.6	10.8	9.6	11.2	11.0

PLASMA CALCIUM (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	9.1	8.1	8.3	8.1	7.9	8.1	9.2	9.1	10.5	10.5
T 5	-	-	9.3	9.4	9.3	8.7	8.7	8.7	8.7	9.8
T 6	12.3	10.5	10.4	10.0	9.8	10.0	9.1	9.8	9.1	9.1
T 7	-	9.5	10.3	10.2	10.2	11.1	10.3	10.6	10.3	10.3

PLASMA MAGNESIUM (mg./100 ml.)

Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	1.3	-	-	1.3	1.2	1.4	1.3	1.0	1.3	1.1
N 2	-	2.9	1.6	1.5	1.1	-	1.3	1.8	1.5	1.5
N 3	1.4	0.5	0.9	0.9	1.1	0.7	0.7	0.9	-	-
N 4	2.8	1.6	0.9	0.9	1.5	1.2	0.5	0.7	0.5	0.5
N 5	0.9	1.1	1.3	1.1	1.4	1.4	1.1	1.2	0.9	-
N 6	1.8	2.1	1.5	1.5	1.1	1.2	1.8	1.0	1.1	1.6
N 7	1.8	2.3	1.8	1.5	1.5	1.8	1.3	1.3	1.9	1.4
N 8	-	1.6	1.4	1.5	1.4	1.2	1.5	1.4	1.6	1.4
N 9	1.2	1.1	1.3	1.0	1.1	1.0	1.7	1.1	1.7	-
N 10	1.7	1.8	1.9	1.9	1.1	2.0	1.4	1.5	2.1	1.5
N 11	1.9	2.2	1.4	1.8	1.6	1.6	1.4	1.6	1.6	2.5
N 12	-	1.7	2.3	1.9	1.4	1.8	1.7	1.4	0.9	1.3
N 13	2.7	2.1	1.7	1.8	1.4	2.1	1.4	2.2	-	-
N 14	2.2	2.1	1.7	1.6	1.5	1.9	2.1	2.3	1.3	-
N 15	-	2.1	2.1	2.0	1.8	1.4	1.8	1.7	1.5	-
N 16	1.3	0.9	2.1	0.9	1.2	1.1	0.7	1.3	0.8	0.8

Infants delivered by difficult obstetric procedures:

[illegible]

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	1.7	1.1	0.9	1.8	0.8	-	0.8	1.0	1.1	1.6
D 18	-	1.0	1.5	1.4	1.2	0.8	0.8	1.7	0.8	1.5
D 19	-	2.1	1.5	1.7	1.2	0.8	1.4	0.8	1.1	1.1

Healthy premature infants:

[illegible]

PLASMA MAGNESIUM (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	0.9	0.9	1.2	0.9	1.2	1.2	1.1	1.9	1.8	1.6
L 2	-	1.2	1.9	1.3	1.9	2.1	1.6	2.2	2.4	2.4
L 3	1.7	0.9	1.6	0.7	1.1	1.0	1.0	0.8	1.1	1.6
L 4	1.1	1.5	0.8	1.1	0.8	1.0	1.0	1.2	1.5	1.0
L 5	1.3	1.6	1.0	1.1	1.4	1.0	1.0	1.0	1.6	1.0
L 6	1.3	0.8	1.0	0.8	0.8	0.9	0.8	2.2	1.7	-
L 7	-	1.6	1.4	0.9	1.4	1.1	0.6	1.1	1.3	0.9
L 8	1.4	1.3	1.2	0.9	1.2	1.4	1.2	1.3	1.3	1.2
L 9	-	1.7	1.3	1.6	1.6	0.6	1.4	0.9	0.8	1.0
L 10	-	2.0	1.3	1.2	1.2	1.1	0.9	0.9	0.9	1.3
L 11	-	-	-	-	-	-	-	-	-	-

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	2.1	2.0	2.5	2.1	2.0	2.1	2.1	1.6	2.3	1.8
T 2	1.5	1.2	1.5	1.5	1.1	1.2	1.2	1.0	1.9	1.6
T 3	4.5	4.1	4.1	3.6	4.2	4.1	4.1	1.7	3.3	2.5

PLASMA MAGNESIUM (CONTINUED)Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	2.0	2.0	1.8	2.0	2.3	1.5	1.5	1.8	1.3	1.4
T 5	-	-	2.5	1.8	2.1	2.1	2.2	2.2	2.3	2.5
T 6	2.4	2.4	2.2	2.1	2.3	2.2	2.2	2.7	2.8	2.4
T 7	-	2.8	1.4	2.1	1.6	1.8	1.7	1.7	1.4	1.2

PLASMA PHOSPHORUS (mg./100 ml.)

Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	5.7	-	-	5.3	5.0	5.0	6.3	6.5	4.1	3.5
N 2	-	9.1	8.1	7.5	7.0	7.5	8.0	8.6	8.2	7.3
N 3	5.3	3.3	4.7	4.7	4.5	5.0	4.9	6.0	-	-
N 4	6.3	6.0	9.7	9.7	6.6	5.3	8.8	10.0	7.3	6.4
N 5	6.6	5.0	5.9	5.7	5.7	6.8	6.8	6.6	5.9	-
N 6	3.2	4.3	3.9	3.9	4.0	5.4	5.4	6.8	7.0	7.3
N 7	3.5	3.7	3.9	2.8	4.1	4.2	4.2	4.9	4.5	4.9
N 8	-	4.4	4.9	5.0	5.3	5.3	6.1	6.1	5.7	6.0
N 9	4.5	4.3	4.8	4.2	5.0	5.0	4.2	5.3	5.0	6.5
N 10	4.2	4.8	5.1	4.8	4.5	5.3	5.4	5.4	5.4	5.0
N 11	4.8	5.0	5.4	4.6	4.8	5.0	5.4	4.8	5.4	5.6
N 12	3.5	3.6	4.1	4.0	5.1	5.2	6.5	5.0	4.7	6.0
N 13	5.2	5.0	5.4	5.0	5.0	5.0	5.6	5.6	-	-
N 14	5.9	5.5	5.9	6.1	6.1	6.4	6.1	5.9	5.5	-
N 15	5.9	5.5	5.9	6.1	5.9	6.4	6.5	7.0	6.8	6.4
N 16	5.3	5.7	5.7	6.0	6.1	6.3	6.8	6.3	5.7	5.7

PLASMA PHOSPHORUS (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	-	-	-	-	8.0	7.3	-	10.2	6.7
D 2	-	6.2	4.9	5.8	5.2	4.9	7.2	5.5	6.4	6.0
D 3	5.6	4.8	4.6	4.8	5.8	6.3	6.3	-	-	-
D 4	3.5	3.5	4.1	4.0	5.0	4.5	5.0	5.6	6.0	5.1
D 5	4.7	5.0	5.2	5.0	5.2	5.0	5.8	6.5	6.7	7.1
D 6	6.7	6.8	6.1	6.1	6.4	6.8	8.2	7.7	7.5	7.3
D 7	6.0	6.3	5.7	6.7	6.7	7.3	6.7	7.0	5.3	6.0
D 8	5.4	4.6	3.4	3.1	3.2	3.4	4.2	4.5	4.8	5.0
D 9	-	5.0	5.2	5.6	5.4	6.9	7.1	9.0	8.8	7.3
D 10	-	7.1	6.7	5.8	6.0	7.3	7.1	10.0	9.0	6.9
D 11	8.8	7.9	8.1	7.9	7.7	8.8	8.8	9.0	7.9	7.1
D 12	4.7	-	4.4	5.7	4.5	5.7	5.6	6.2	6.4	4.9
D 13	5.5	5.3	3.8	3.0	3.2	4.3	5.5	6.5	5.2	5.3
D 14	5.7	5.9	6.1	4.3	4.6	4.3	5.3	5.7	5.7	5.3
D 15	7.5	7.5	5.7	5.7	4.6	4.4	5.2	7.1	7.3	7.5
D 16	-	4.7	7.7	6.8	6.8	6.6	6.8	8.2	9.1	7.5

PLASMA PHOSPHORUS (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	5.8	5.5	5.0	5.0	4.8	5.0	4.5	6.5	7.0	6.5
D 18	-	7.0	6.0	5.0	5.6	5.8	6.5	8.0	8.0	7.5
D 19	-	6.1	6.1	6.7	6.7	6.7	7.5	7.5	6.7	7.0

Healthy premature infants:

P 1	-	8.4	6.8	6.6	5.3	5.5	7.0	5.9	7.5	5.3
P 2	6.7	5.7	4.3	3.9	3.9	4.3	5.7	5.0	6.7	6.6
P 3	6.4	6.1	6.2	5.0	5.5	5.7	6.1	5.7	6.6	7.3
P 4	7.1	6.1	5.5	5.3	5.9	5.7	5.7	6.8	7.1	7.1
P 5	-	8.6	6.4	7.3	6.8	6.8	6.4	7.3	6.1	4.5
P 6	5.4	5.0	5.0	5.4	5.6	5.9	5.6	6.8	5.4	5.0
P 7	7.7	6.9	6.5	6.5	7.3	7.1	6.1	6.5	5.8	6.0
P 8	3.8	3.1	2.9	3.8	4.6	5.0	3.8	3.5	3.1	3.8
P 9	3.8	2.3	3.1	2.3	2.7	4.2	3.1	4.6	4.2	5.4
P 10	5.0	4.5	5.5	4.6	3.6	3.9	6.8	6.1	5.9	9.1

PLASMA PHOSPHORUS (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	5.5	5.3	5.2	5.3	5.3	5.3	6.0	7.3	7.0	6.5
L 2	5.2	4.7	4.3	5.2	5.4	5.4	6.0	6.5	6.0	6.8
L 3	4.5	4.2	4.0	3.4	3.8	2.9	3.4	4.2	5.7	6.1
L 4	6.1	6.0	6.0	4.4	4.0	3.8	5.7	6.0	7.3	6.3
L 5	5.2	5.2	4.6	4.6	4.4	3.4	3.8	4.5	4.6	3.8
L 6	5.2	5.2	5.4	5.0	5.4	5.9	6.3	5.4	4.1	-
L 7	-	5.4	5.4	4.2	4.2	6.1	6.5	6.5	6.9	6.1
L 8	4.2	4.3	4.2	4.6	4.8	4.6	4.8	6.6	6.5	6.3
L 9	-	6.6	6.5	6.3	6.3	6.5	6.6	6.9	6.6	5.8
L 10	-	4.6	5.0	4.2	4.3	4.8	4.6	5.0	6.0	5.8
L 11	4.6	3.6	5.1	5.0	3.9	4.1	6.8	7.7	6.8	7.3

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	4.8	4.8	3.1	4.2	3.5	3.5	3.6	4.6	5.2	4.2
T 2	5.8	4.4	4.8	4.2	4.7	5.8	5.8	5.7	5.4	5.8
T 3	6.0	5.4	4.6	4.6	4.7	3.7	5.4	6.4	5.8	6.4

PLASMA PHOSPHORUS (CONTINUED)

Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	3.9	3.8	3.8	3.8	6.4	6.6	7.0	5.8	4.8	4.1
T 5	-	-	-	-	-	-	-	-	-	-
T 6	3.2	3.7	3.9	5.3	5.3	5.7	5.7	5.9	6.2	5.3
T 7	-	4.2	3.1	4.2	5.0	4.6	5.8	6.9	6.9	6.5

BLOOD UREA (mg./100 ml.)Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	23	22	22	20	20	25	19	22	31	27
N 2	-	25	23	23	24	24	25	27	25	18
N 3	13	21	17	19	17	21	17	18	-	-
N 4	15	14	17	20	19	26	34	50	38	20
N 5	13	12	13	17	16	19	22	16	10	-
N 6	14	15	16	11	20	23	15	12	16	15
N 7	17	15	17	19	20	20	23	32	41	40
N 8	12	13	11	20	25	26	31	29	17	11
N 9	27	32	32	28	31	30	26	49	36	32
N 10	14	14	12	20	20	26	25	26	19	20
N 11	15	16	18	18	21	27	28	35	31	19
N 12	20	19	25	27	35	32	40	33	35	21
N 13	14	11	15	15	15	21	22	22	-	-
N 14	14	14	14	15	22	22	19	15	14	-
N 15	14	14	14	16	15	16	19	22	23	24
N 16	12	12	22	19	15	25	30	20	18	14

BLOOD UREA (CONTINUED)

Infants delivered by difficult obstetric procedures:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	22	25	29	33	38	45	56	72	86
D 2	15	18	19	23	22	26	45	31	28	16
D 3	33	37	38	38	38	38	47	-	-	-
D 4	26	28	23	22	24	23	23	14	14	17
D 5	17	18	12	12	16	22	22	27	27	26
D 6	14	15	15	15	22	23	25	32	35	38
D 7	12	12	13	13	14	22	18	17	18	11
D 8	20	18	20	26	35	40	47	90	92	88
D 9	-	19	20	25	31	33	31	37	37	35
D 10	-	22	23	31	37	47	42	63	62	52
D 11	54	51	52	59	60	57	57	76	76	83
D 12	10	11	12	12	6	19	23	26	27	16
D 13	19	22	25	28	32	29	33	40	33	20
D 14	30	26	31	31	29	30	23	32	40	30
D 15	25	26	19	21	23	23	23	28	36	35
D 16	-	35	31	36	35	37	35	39	37	33

BLOOD UREA (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	9	20	15	20	23	26	27	26	28	24
D 18	-	10	10	9	10	22	24	27	44	42
D 19	-	9	9	10	13	15	17	17	8	9

Healthy premature infants:

P 1	-	17	20	27	35	46	50	53	51	36
P 2	20	19	18	23	28	35	67	74	83	80
P 3	12	11	14	14	24	24	24	27	27	19
P 4	14	14	17	17	23	27	31	25	22	17
P 5	-	11	7	9	12	17	21	27	36	41
P 6	24	24	25	25	25	28	31	35	34	28
P 7	7	9	9	13	20	31	41	45	33	29
P 8	3	4	9	15	26	26	40	52	40	26
P 9	12	13	6	15	6	6	6	6	8	13
P 10	5	8	9	7	8	8	8	13	9	10

BLOOD UREA (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
L 1	13	14	15	16	16	16	15	16	17	14	
L 2	10	12	11	10	29	31	44	57	80	110	
L 3	15	16	15	16	17	17	21	18	12	10	
L 4	18	22	20	21	23	24	21	26	23	18	
L 5	10	11	17	19	20	25	26	26	25	27	
L 6	18	18	20	19	20	19	19	25	23	-	
L 7	-	13	11	16	16	19	19	20	22	20	
L 8	10	15	15	17	15	18	20	15	20	24	
L 9	-	15	15	17	22	24	26	42	48	42	
L 10	-	15	15	20	22	26	28	24	24	20	
L 11	13	9	10	13	13	15	15	9	8	10	

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	28	23	33	27	45	40	50	53	50	21
T 2	17	14	17	18	20	27	26	27	20	14
T 3	27	38	35	35	36	42	49	49	46	45

BLOOD UREA (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	9	6	7	7	18	15	18	14	10	9
T 5	-	62	67	68	68	74	80	98	111	108
T 6	15	14	14	17	18	17	21	51	62	36
T 7	-	3	3	13	13	13	13	15	11	6

PLASMA TOTAL PROTEIN (g./100 ml.)

* Full-term normal infants:

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
N 1	7.10	-	7.10	6.80	7.00	7.00	6.70	7.10	7.50	7.90	
N 2	-	7.50	6.90	7.40	7.10	7.70	7.70	7.50	7.00	7.60	
N 3	7.50	6.70	6.70	6.40	6.20	5.90	6.00	6.10	-	-	
N 4	6.95	5.80	6.95	7.05	7.05	6.45	6.35	6.70	7.05	6.35	
N 5	6.30	6.45	6.40	6.45	6.45	6.45	6.10	6.40	6.55	-	
N 6	5.05	5.10	5.50	5.10	4.70	4.95	5.60	6.40	5.05	4.90	
N 7	8.35	7.35	7.45	7.40	7.15	6.60	7.00	7.40	7.45	7.00	
N 8	7.45	7.50	7.45	7.00	6.75	6.70	6.70	7.05	6.85	7.05	
N 9	7.85	7.40	7.25	7.30	7.70	6.90	7.25	7.55	6.60	6.90	
N 10	7.15	6.85	6.55	6.15	6.25	6.55	6.25	5.95	6.10	6.00	
N 11	7.45	7.40	6.60	6.85	7.15	7.30	6.60	5.80	5.80	5.70	
N 12	6.75	6.90	7.00	6.75	6.75	6.75	6.70	6.50	6.00	6.15	
N 13	6.75	6.60	6.75	6.30	6.45	6.30	6.00	6.00	-	-	
N 14	7.40	7.05	7.05	6.90	6.75	6.75	6.75	6.45	6.45	-	
N 15	6.90	6.75	6.75	6.60	6.80	7.35	7.05	6.75	6.45	6.00	
N 16	7.50	7.50	7.20	7.20	7.10	7.10	7.20	6.45	6.60	6.90	

PLASMA TOTAL PROTEIN (CONTINUED)

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	8.40	8.20	8.20	8.40	8.50	7.90	7.60	7.40	7.30	
D 2	6.80	7.20	7.10	6.70	6.50	6.10	6.80	6.20	6.20	6.80	
D 3	8.30	7.75	7.45	7.45	7.60	7.75	8.20	-	-	-	
D 4	5.40	5.40	5.10	5.10	4.95	5.25	5.25	4.80	4.80	5.40	
D 5	6.20	6.15	6.00	5.85	5.70	6.00	6.30	6.00	6.15	6.10	
D 6	7.80	7.80	7.20	6.90	7.05	6.90	6.45	6.45	6.75	6.90	
D 7	6.15	6.15	5.85	6.00	6.30	5.90	6.10	6.00	6.15	5.85	
D 8	7.65	7.65	7.50	7.50	7.60	7.65	7.35	7.05	7.35	7.20	
D 9	-	5.85	5.85	5.40	5.40	5.70	5.70	6.30	6.30	6.30	
D 10	-	6.15	5.85	6.00	5.70	5.70	5.85	6.30	6.30	5.70	
D 11	6.75	6.90	7.20	7.50	7.20	7.35	7.20	7.50	7.20	7.35	
D 12	6.85	7.05	6.75	6.50	6.30	7.05	6.50	6.15	6.10	6.20	
D 13	7.40	7.30	7.05	6.80	6.90	7.25	7.30	6.85	6.80	6.60	
D 14	7.50	7.40	6.75	6.75	6.25	6.15	6.25	6.70	6.70	6.20	
D 15	7.40	7.50	6.75	6.45	6.00	6.00	6.15	6.45	6.45	6.60	
D 16	-	7.90	7.50	7.40	7.40	7.30	6.80	7.50	6.90	7.05	

PLASMA TOTAL PROTEIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	7.05	7.50	7.50	7.40	7.30	7.40	7.40	7.40	7.50	7.50
D 18	-	7.60	7.50	7.40	7.40	7.05	7.40	7.60	7.60	7.50
D 19	-	7.60	7.50	7.40	7.40	7.05	7.40	7.60	7.60	7.50

* D 1 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 1	-	5.20	5.50	5.5	5.5	5.5	6.0	6.1	6.5	5.9
P 2	6.40	6.30	6.00	5.55	5.6	6.0	6.1	5.7	6.3	6.9
P 3	6.30	6.00	6.15	6.00	5.85	6.0	5.25	5.1	5.05	5.4
P 4	5.40	5.55	5.25	4.95	5.10	5.10	4.95	4.95	5.25	5.4
P 5	-	4.90	4.60	4.80	5.05	5.05	4.9	5.35	5.5	5.5
P 6	6.00	5.70	5.25	5.55	5.70	5.85	5.7	5.70	5.4	5.55
P 7	5.70	5.55	5.55	5.55	6.00	5.70	5.55	5.25	5.7	5.70
P 8	5.00	5.00	5.00	5.50	5.35	5.35	5.50	5.50	5.5	5.35
P 9	5.70	5.50	5.20	5.20	5.00	5.00	5.20	5.70	5.5	5.35
P 10	7.40	7.30	7.05	6.90	6.80	6.30	6.20	6.30	6.00	6.50

PLASMA TOTAL PROTEIN (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	6.75	6.75	6.40	6.40	6.40	6.30	6.40	6.30	6.60	6.25
L 2	6.15	6.00	5.85	5.90	6.00	5.90	5.55	6.30	6.75	7.65
L 3	6.45	6.45	6.60	6.00	6.15	5.85	6.30	5.85	5.40	5.85
L 4	6.00	6.00	5.85	5.75	5.85	5.55	5.85	5.15	6.00	6.00
L 5	6.60	6.60	6.75	6.90	6.75	6.60	6.45	6.90	6.30	6.15
L 6	6.45	6.75	6.75	6.60	7.20	7.35	7.05	7.20	7.20	-
L 7	-	6.75	6.60	6.45	6.30	6.15	6.30	6.30	6.30	6.45
L 8	6.50	6.50	6.70	6.70	6.80	6.50	6.70	6.70	6.30	6.50
L 9	-	6.70	6.70	6.80	6.50	6.70	6.30	6.50	6.30	6.50
L 10	-	6.30	6.20	5.85	6.00	5.85	6.20	6.00	6.30	6.20
L 11	7.50	7.30	7.40	7.45	6.70	7.20	7.05	6.90	6.00	6.50

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	6.55	6.40	7.45	7.40	7.25	7.15	6.35	7.05	7.05	6.80
T 2	6.80	6.50	6.50	6.30	6.90	6.15	5.70	5.60	5.40	5.40
T 3	5.85	5.25	5.55	5.85	5.90	5.90	6.00	6.00	5.70	5.70

PLASMA TOTAL PROTEIN (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	6.40	5.80	5.10	5.10	5.70	5.00	5.10	5.25	5.40	5.00
T 5	-	6.30	6.15	6.00	6.30	6.45	6.60	6.30	6.15	6.00
T 6	6.00	6.30	6.60	6.75	6.75	6.15	5.70	6.00	5.85	6.00
T 7	-	6.00	6.00	5.70	6.00	6.20	6.20	6.00	5.85	6.30

PLASMA ALBUMIN (g./100 ml.)

* Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	4.65	4.08	4.39	4.55	3.88	4.93	4.50	4.73	5.00	5.20
N 2	-	4.56	4.58	5.06	5.01	-	5.52	5.50	5.19	5.31
N 3	4.50	3.90	3.90	3.80	4.05	4.00	3.95	4.20	-	-
N 4	4.17	3.75	4.00	4.35	4.20	3.90	4.45	3.82	3.70	3.63
N 5	3.57	3.80	3.45	3.30	3.25	3.60	3.50	3.80	3.35	-
N 6	3.65	3.60	3.60	3.57	3.65	3.75	3.25	2.60	2.75	2.85
N 7	4.13	4.50	4.45	4.70	3.75	4.15	3.70	3.90	3.80	3.80
N 8	-	5.05	4.98	4.65	4.80	4.92	4.96	5.05	4.92	5.30
N 9	5.00	4.70	4.70	5.10	5.40	5.05	5.10	4.95	4.60	4.20
N 10	5.10	4.70	4.70	4.15	4.20	4.50	4.45	4.35	3.70	3.65
N 11	4.50	5.05	4.05	4.60	4.50	4.60	4.45	3.95	3.20	3.33
N 12	5.10	4.85	5.20	5.10	5.05	5.07	5.00	4.60	4.40	4.40
N 13	4.87	4.55	4.85	4.65	4.50	4.50	4.50	4.20	-	-
N 14	5.00	4.60	4.85	4.10	3.90	4.60	4.70	4.20	4.62	-
N 15	3.80	4.15	3.70	3.70	4.65	5.10	4.70	4.60	4.30	4.10
N 16	4.40	4.30	3.95	3.80	4.00	4.10	4.30	3.75	3.90	3.90

PLASMA ALBUMIN (CONTINUED)

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	5.55	6.05	5.40	5.70	5.80	5.60	5.20	4.80	4.60	
D 2	4.65	3.77	4.52	4.21	4.08	4.25	-	4.51	4.42	4.41	
D 3	4.60	4.75	4.50	4.70	4.37	4.50	4.80	-	-	-	
D 4	3.75	4.05	3.70	3.50	3.40	3.70	3.47	3.13	3.27	3.67	
D 5	4.55	4.32	4.20	4.22	4.24	4.63	4.90	4.10	4.30	4.05	
D 6	-	5.85	5.65	5.30	5.30	5.35	5.40	4.67	4.20	4.35	
D 7	3.50	3.65	4.05	3.50	3.80	3.40	3.85	3.75	3.65	3.35	
D 8	4.20	4.10	4.10	4.50	4.45	4.55	3.85	3.60	3.70	3.90	
D 9	-	3.35	3.25	3.17	3.35	3.40	3.35	2.80	3.07	2.70	
D 10	-	2.95	2.83	2.85	3.20	2.70	2.65	3.75	3.30	2.70	
D 11	2.85	3.10	3.05	3.20	4.00	3.85	3.85	3.75	3.85	3.80	
D 12	5.20	4.85	4.65	4.20	4.35	4.75	4.40	3.90	3.40	3.94	
D 13	4.80	4.70	4.25	4.50	4.43	5.00	4.85	4.15	4.80	4.45	
D 14	4.75	4.65	4.65	4.44	4.15	4.15	3.95	4.00	4.27	4.27	
D 15	4.42	4.60	4.20	4.50	4.15	4.18	4.30	4.23	4.15	4.60	
D 16	-	3.90	3.90	4.00	3.80	3.90	3.55	4.40	4.30	4.50	

PLASMA ALBUMIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	4.50	4.75	4.10	4.25	4.00	4.85	4.60	4.15	4.10	4.80
D 18	-	4.05	4.15	4.10	4.80	4.60	4.65	4.15	5.30	4.40
D 19	-	4.10	3.70	3.95	4.10	4.60	3.95	4.20	4.15	4.80

* D 1 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 1	-	3.90	3.90	3.95	3.90	3.85	4.35	4.60	4.90	4.30
P 2	4.70	4.45	4.45	4.10	4.05	4.40	4.35	4.20	4.35	4.75
P 3	3.85	3.60	3.90	3.50	3.76	3.94	3.35	3.12	3.15	3.18
P 4	-	-	-	-	-	-	-	-	-	-
P 5	-	3.15	3.12	3.30	3.50	3.45	3.40	3.55	3.20	3.35
P 6	3.50	3.20	2.85	3.00	2.95	3.30	3.50	3.05	3.05	3.25
P 7	3.40	3.30	3.45	3.42	3.27	3.43	3.03	2.70	3.35	2.80
P 8	3.60	3.50	-	3.85	3.65	-	3.65	3.45	3.10	3.00
P 9	2.95	2.80	3.00	3.00	2.60	2.45	2.35	3.00	2.75	2.60
P 10	4.05	4.10	3.95	3.80	4.45	4.55	4.50	4.00	3.50	4.30

PLASMA ALBUMIN (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	4.40	4.70	4.10	4.43	4.35	4.32	4.45	4.40	4.42	4.25
L 2	3.42	3.60	3.55	3.70	3.70	3.60	3.65	4.15	4.85	4.55
L 3	3.60	3.35	3.75	3.55	3.80	3.70	4.05	4.00	3.15	2.90
L 4	3.30	3.55	3.50	3.20	3.30	3.25	3.35	3.35	3.55	3.55
L 5	4.00	4.00	3.90	4.10	3.50	3.70	3.45	3.70	3.15	3.45
L 6	3.40	3.70	3.80	3.35	4.30	4.40	3.95	4.05	4.05	-
L 7	-	3.05	3.50	3.55	3.55	3.30	3.10	3.00	3.05	3.42
L 8	3.50	3.20	2.85	3.75	3.65	4.00	3.50	4.00	3.45	3.75
L 9	-	3.80	3.45	3.30	3.50	3.80	3.60	4.10	4.00	4.15
L 10	-	3.20	3.75	3.60	3.65	3.60	3.60	4.50	4.20	3.95
L 11	4.10	3.90	4.40	4.10	3.60	3.70	3.72	3.85	3.20	3.50

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	3.75	4.15	4.08	4.25	4.40	3.75	3.42	3.60	3.70	3.48
T 2	4.30	3.90	4.25	4.05	4.45	4.25	4.00	3.92	3.73	3.50
T 3	4.10	3.75	4.05	4.15	4.10	4.40	4.10	4.55	4.10	3.87

PLASMA ALBUMIN (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	4.30	3.33	3.38	3.60	3.75	3.37	3.30	3.13	3.80	3.22
T 5	-	3.60	4.20	3.83	4.05	4.05	4.10	4.70	4.35	3.55
T 6	4.05	4.10	3.90	4.20	4.17	4.20	3.75	3.65	3.10	3.25
T 7	-	2.95	3.55	3.15	3.40	3.70	3.60	3.20	2.90	3.80

PLASMA ALPHA ONE GLOBULIN (g./100 ml.)

* Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	0.17	0.31	0.33	0.25	0.38	0.32	0.17	0.20	0.25	0.24
N 2	-	0.10	0.10	0.13	0.12	-	0.15	0.15	0.13	0.20
N 3	0.15	0.22	0.16	0.14	0.12	0.07	0.13	0.10	-	-
N 4	0.26	0.15	0.33	0.16	0.20	0.21	0.14	0.16	0.21	0.18
N 5	0.23	0.30	0.27	0.27	0.24	0.28	0.24	0.23	0.25	-
N 6	0.12	0.14	0.09	0.08	0.10	0.11	0.23	0.21	0.23	0.21
N 7	0.30	0.16	0.28	0.20	0.52	0.47	0.34	0.33	0.38	0.40
N 8	-	0.22	0.13	0.05	0.06	0.03	0.03	0.07	0.09	0.04
N 9	0.21	0.19	0.19	0.10	0.09	0.06	0.08	0.16	0.13	0.10
N 10	0.16	0.14	0.08	0.09	0.14	0.10	0.12	0.10	0.19	0.22
N 11	0.21	0.25	0.26	0.20	0.27	0.26	0.20	0.19	0.22	0.20
N 12	0.06	0.06	0.06	0.09	0.10	0.10	0.08	0.11	0.08	0.09
N 13	0.11	0.14	0.11	0.12	0.20	0.18	0.14	0.15	-	-
N 14	0.14	0.18	0.13	0.18	0.20	0.17	0.17	0.21	0.12	-
N 15	0.18	0.16	0.20	0.25	0.15	0.12	0.13	0.17	0.12	0.13
N 16	0.16	0.11	0.16	0.18	0.19	0.13	0.22	0.27	0.20	0.20

PLASMA ALPHA ONE GLOBULIN (CONTINUED)

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	0.34	0.35	0.34	0.22	0.27	0.19	0.22	0.28	0.21	
D 2	0.17	0.17	0.23	0.19	0.18	0.14	-	0.22	0.15	0.19	
D 3	0.21	0.28	0.26	0.26	0.27	0.27	0.33	-	-	-	
D 4	0.10	0.10	0.08	0.15	0.15	0.12	0.16	0.13	0.15	0.16	
D 5	0.07	0.12	0.08	0.06	0.08	0.10	0.08	0.10	0.09	0.11	
D 6	-	0.09	0.10	0.16	0.14	0.13	0.08	0.16	0.16	0.22	
D 7	0.11	0.10	0.10	0.17	0.13	0.09	0.15	0.15	0.23	0.17	
D 8	0.22	0.25	0.20	0.20	0.23	0.19	0.25	0.34	0.34	0.29	
D 9	-	0.19	0.21	0.09	0.15	0.19	0.17	0.22	0.30	0.51	
D 10	-	0.33	0.29	0.30	0.26	0.36	0.30	0.19	0.21	0.25	
D 11	0.29	0.35	0.35	0.37	0.21	0.36	0.31	0.44	0.38	0.39	
D 12	0.11	0.19	0.18	0.21	0.24	0.17	0.26	0.26	0.45	0.26	
D 13	0.17	0.21	0.31	0.21	0.18	0.22	0.24	0.17	0.20	0.20	
D 14	0.14	0.14	0.12	0.14	0.13	0.10	0.19	0.28	0.25	0.25	
D 15	0.22	0.24	0.22	0.15	0.21	0.17	0.22	0.26	0.21	0.23	
D 16	-	0.36	0.40	0.29	0.38	0.39	0.33	0.27	0.25	0.17	

PLASMA ALPHA ONE GLOBULIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	0.22	0.19	0.42	0.25	0.22	0.19	0.16	0.28	0.33	0.22
D 18	-	0.28	0.26	0.25	0.22	0.28	0.26	0.25	0.15	0.25
D 19	-	0.11	0.14	0.09	0.15	0.15	0.10	0.13	0.15	0.20

* D 1 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 1	-	0.08	0.13	0.07	0.07	0.10	0.08	0.12	0.13	0.10
P 2	0.10	0.18	0.12	0.09	0.14	0.16	0.15	0.17	0.17	0.20
P 3	0.25	0.16	0.18	0.21	0.15	0.20	0.18	0.16	0.17	0.18
P 4	-	-	-	-	-	-	-	-	-	-
P 5	-	0.10	0.12	0.08	0.07	0.14	0.17	0.15	0.16	0.22
P 6	0.22	0.26	0.19	0.25	0.26	0.22	0.23	0.22	0.23	0.20
P 7	0.16	0.17	0.11	0.15	0.17	0.20	0.20	0.24	0.31	0.16
P 8	0.20	0.21	-	0.22	0.24	-	0.17	0.31	0.26	0.23
P 9	0.23	0.22	0.14	0.21	0.23	0.18	0.20	0.23	0.25	0.28
P 10	0.35	0.38	0.32	0.32	0.18	0.12	0.16	0.21	0.26	0.28

PLASMA ALPHA ONE GLOBULIN (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	0.12	0.12	0.16	0.12	0.12	0.17	0.12	0.10	0.18	0.18
L 2	0.18	0.17	0.16	0.15	0.19	0.18	0.14	0.17	0.14	0.15
L 3	0.16	0.23	0.22	0.26	0.19	0.22	0.21	0.20	0.22	0.21
L 4	0.18	0.23	0.21	0.17	0.18	0.23	0.23	0.31	0.31	0.20
L 5	0.16	0.18	0.20	0.23	0.25	0.24	0.22	0.31	0.28	0.29
L 6	0.29	0.27	0.26	0.28	0.21	0.25	0.28	0.29	0.29	-
L 7	-	0.15	0.16	0.19	0.15	0.13	0.28	0.28	0.30	0.20
L 8	0.30	0.18	0.18	0.25	0.24	0.11	0.31	0.22	0.29	0.21
L 9	-	0.18	0.20	0.22	0.17	0.21	0.22	0.18	0.20	0.20
L 10	-	0.20	0.23	0.16	0.15	0.16	0.27	0.10	0.22	0.25
L 11	0.27	0.35	0.20	0.27	0.31	0.37	0.34	0.34	0.33	0.30

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	0.15	0.22	0.33	0.37	0.23	0.23	0.30	0.30	0.32	0.28
T 2	0.16	0.20	0.12	0.13	0.19	0.15	0.14	0.20	0.15	0.08
T 3	0.13	0.16	0.18	0.15	0.16	0.14	0.18	0.12	0.11	0.10

PLASMA ALPHA ONE GLOBULIN (CONTINUED)

Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	0.16	0.12	0.07	0.08	0.10	0.10	0.10	0.16	0.09	0.08
T 5	-	0.20	0.25	0.23	0.25	0.31	0.26	0.12	0.27	0.22
T 6	0.14	0.14	0.10	0.16	0.28	0.13	0.21	0.25	0.13	0.27
T 7	-	0.23	0.20	0.21	0.23	0.25	0.27	0.35	0.31	0.25

PLASMA ALPHA TWO GLOBULIN (g./100 ml.)

* Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	0.40	0.47	0.45	0.34	0.51	0.41	0.28	0.30	0.33	0.40
N 2	-	0.30	0.32	0.26	0.18	-	0.22	0.27	0.20	0.37
N 3	0.36	0.35	0.33	0.33	0.24	0.16	0.18	0.18	-	-
N 4	0.35	0.26	0.42	0.37	0.36	0.43	0.19	0.36	0.42	0.32
N 5	0.43	0.43	0.42	0.38	0.55	0.44	0.36	0.48	0.46	-
N 6	0.18	0.24	0.22	0.19	0.14	0.18	0.36	0.28	0.38	0.36
N 7	0.58	0.49	0.42	0.40	0.66	0.67	0.52	0.57	0.53	0.61
N 8	-	0.36	0.44	0.33	0.23	0.16	0.13	0.26	0.33	0.23
N 9	0.42	0.52	0.38	0.41	0.35	0.29	0.33	0.37	0.25	0.42
N 10	0.30	0.28	0.30	0.28	0.26	0.30	0.20	0.26	0.38	0.36
N 11	0.42	0.44	0.40	0.30	0.45	0.48	0.35	0.31	0.35	0.33
N 12	0.12	0.26	0.18	0.22	0.22	0.17	0.20	0.23	0.19	0.32
N 13	0.25	0.34	0.27	0.26	0.31	0.27	0.24	0.24	-	-
N 14	0.33	0.32	0.30	0.41	0.37	0.34	0.27	0.36	0.29	-
N 15	0.41	0.36	0.50	0.37	0.30	0.29	0.33	0.34	0.32	0.31
N 16	0.52	0.32	0.49	0.47	0.48	0.35	0.48	0.46	0.45	0.63

PLASMA ALPHA TWO GLOBULIN (CONTINUED)

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	0.51	0.47	0.49	0.32	0.43	0.31	0.46	0.50	0.55	
D 2	0.29	0.34	0.26	0.29	0.37	0.24	-	0.22	0.29	0.23	
D 3	0.39	0.39	0.45	0.37	0.37	0.45	0.44	-	-	-	
D 4	0.16	0.17	0.19	0.22	0.21	0.19	0.21	0.20	0.22	0.24	
D 5	0.23	0.31	0.19	0.16	0.17	0.17	0.16	0.22	0.21	0.27	
D 6	-	0.19	0.29	0.24	0.28	0.22	0.16	0.23	0.32	0.37	
D 7	0.27	0.25	0.21	0.27	0.25	0.22	0.23	0.40	0.51	0.41	
D 8	0.43	0.47	0.47	0.48	0.40	0.40	0.49	0.48	0.53	0.79	
D 9	-	0.33	0.46	0.28	0.33	0.38	0.38	0.53	0.47	0.66	
D 10	-	0.45	0.43	0.57	0.39	0.50	0.54	0.30	0.48	0.58	
D 11	0.59	0.69	0.77	0.72	0.51	0.64	0.57	0.75	0.62	0.68	
D 12	0.17	0.31	0.29	0.31	0.28	0.44	0.37	0.34	0.51	0.39	
D 13	0.38	0.40	0.39	0.36	0.32	0.33	0.30	0.36	0.28	0.33	
D 14	0.31	0.30	0.23	0.29	0.26	0.24	0.38	0.36	0.43	0.44	
D 15	0.51	0.37	0.35	0.34	0.30	0.26	0.30	0.39	0.37	0.45	
D 16	-	0.63	0.52	0.67	0.63	0.50	0.53	0.42	0.37	0.43	

PLASMA ALPHA TWO GLOBULIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	0.36	0.43	0.60	0.60	0.48	0.38	0.36	0.66	0.60	0.62
D 18	-	0.44	0.50	0.48	0.37	0.39	0.38	0.41	0.31	0.46
D 19	-	0.23	0.31	0.24	0.34	0.38	0.18	0.20	0.34	0.33

* D 1 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 1	-	0.17	0.22	0.21	0.22	0.21	0.25	0.19	0.26	0.20
P 2	0.23	0.27	0.22	0.23	0.23	0.26	0.26	0.28	0.26	0.33
P 3	0.38	0.39	0.36	0.35	0.36	0.30	0.25	0.29	0.33	0.32
P 4	-	-	-	-	-	-	-	-	-	-
P 5	-	0.19	0.19	0.22	0.17	0.22	0.23	0.23	0.37	0.45
P 6	0.31	0.39	0.33	0.41	0.38	0.38	0.38	0.35	0.32	0.32
P 7	0.24	0.26	0.26	0.22	0.34	0.31	0.27	0.33	0.39	0.28
P 8	0.28	0.31	-	0.35	0.34	-	0.25	0.42	0.37	0.38
P 9	0.40	0.36	0.32	0.35	0.33	0.40	0.33	0.35	0.37	0.40
P 10	0.62	0.66	0.55	0.61	0.44	0.30	0.29	0.33	0.38	0.43

PLASMA ALPHA TWO GLOBULIN (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	0.31	0.25	0.32	0.24	0.31	0.24	0.22	0.28	0.38	0.36
L 2	0.33	0.36	0.32	0.32	0.30	0.32	0.28	0.40	0.32	0.35
L 3	0.38	0.54	0.49	0.44	0.34	0.32	0.34	0.30	0.33	0.38
L 4	0.37	0.30	0.32	0.35	0.30	0.32	0.32	0.41	0.41	0.38
L 5	0.28	0.33	0.41	0.36	0.48	0.46	0.41	0.47	0.40	0.45
L 6	0.55	0.55	0.49	0.59	0.51	0.51	0.64	0.51	0.62	-
L 7	-	0.52	0.50	0.41	0.41	0.41	0.53	0.45	0.51	0.63
L 8	0.44	0.49	0.53	0.43	0.43	0.26	0.40	0.44	0.51	0.52
L 9	-	0.44	0.49	0.65	0.39	0.36	0.33	0.39	0.42	0.40
L 10	-	0.56	0.48	0.42	0.39	0.37	0.42	0.24	0.39	0.54
L 11	0.45	0.47	0.35	0.46	0.42	0.48	0.45	0.46	0.42	0.44

Infants delivered by difficult obstetric procedures with maternal toxemia:

T 1	0.34	0.39	0.45	0.46	0.46	0.57	0.43	0.64	0.68	0.64
T 2	0.35	0.39	0.41	0.34	0.43	0.30	0.26	0.32	0.30	0.29
T 3	0.24	0.26	0.26	0.28	0.30	0.26	0.34	0.23	0.26	0.26

PLASMA ALPHA TWO GLOBULIN (CONTINUED)

Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	0.25	0.32	0.22	0.12	0.23	0.24	0.24	0.25	0.18	0.19
T 5	-	0.35	0.38	0.44	0.53	0.53	0.50	0.25	0.39	0.43
T 6	0.30	0.28	0.35	0.35	0.38	0.36	0.31	0.38	0.34	0.58
T 7	-	0.52	0.44	0.52	0.41	0.45	0.44	0.51	0.52	0.47

PLASMA BETA GLOBULIN (g./100 ml.)

* Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	0.58	0.55	0.56	0.43	0.64	0.49	0.40	0.50	0.42	0.57
N 2	-	0.96	0.48	0.45	0.37	-	0.37	0.42	0.40	0.44
N 3	0.46	0.43	0.39	0.39	0.36	0.31	0.31	0.36	-	-
N 4	0.57	0.33	0.54	0.53	0.46	0.56	0.31	0.60	0.78	0.54
N 5	0.63	0.52	0.65	0.68	0.72	0.70	0.52	0.55	0.65	-
N 6	0.39	0.38	0.58	0.45	0.24	0.31	0.59	0.45	0.55	0.54
N 7	0.81	0.73	0.55	0.51	0.70	0.74	0.66	0.76	0.71	0.63
N 8	-	0.41	0.48	0.52	0.31	0.33	0.26	0.39	0.33	0.28
N 9	0.48	0.42	0.34	0.34	0.32	0.22	0.28	0.56	0.35	0.65
N 10	0.38	0.62	0.44	0.47	0.46	0.47	0.41	0.36	0.50	0.62
N 11	0.83	0.66	0.71	0.64	0.76	0.68	0.63	0.43	0.92	0.44
N 12	0.42	0.46	0.42	0.43	0.44	0.37	0.37	0.39	0.30	0.41
N 13	0.50	0.47	0.42	0.34	0.45	0.37	0.34	0.35	-	-
N 14	0.52	0.44	0.43	0.51	0.54	0.44	0.44	0.45	0.42	-
N 15	0.66	0.43	0.71	0.62	0.67	0.41	0.49	0.46	0.51	0.41
N 16	0.84	0.65	0.90	0.98	0.56	0.79	0.63	0.54	0.55	0.78

PLASMA BETA GLOBULIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 1	-	0.53	0.56	0.46	0.51	0.46	0.44	0.41	0.49	0.48
D 2	0.48	0.85	0.43	0.57	0.55	0.35	-	0.45	0.25	0.49
D 3	0.71	0.63	0.60	0.56	1.02	0.59	0.70	-	-	-
D 4	0.39	0.30	0.28	0.37	0.34	0.33	0.35	0.44	0.38	0.44
D 5	0.37	0.43	0.40	0.39	0.30	0.26	0.38	0.34	0.42	0.43
D 6	-	0.52	0.50	0.37	0.37	0.35	0.38	0.41	0.52	0.60
D 7	0.39	0.35	0.31	0.39	0.40	0.36	0.31	0.58	0.68	0.81
D 8	0.77	0.64	0.74	0.48	0.56	0.56	0.64	0.76	0.79	0.92
D 9	-	0.58	0.61	0.45	0.48	0.47	0.60	0.75	0.81	0.87
D 10	-	1.07	1.05	0.91	0.60	0.68	1.06	0.61	0.70	0.90
D 11	0.90	1.04	0.97	1.20	0.98	0.95	0.73	1.02	0.87	0.92
D 12	0.23	0.49	0.38	0.51	0.30	0.46	0.36	0.51	0.50	0.41
D 13	0.85	0.50	0.51	0.44	0.55	0.44	0.41	0.48	0.39	0.38
D 14	0.51	0.56	0.35	0.42	0.39	0.34	0.58	0.56	0.62	0.79
D 15	0.77	0.88	0.54	0.56	0.48	0.41	0.43	0.48	0.61	0.55
D 16	-	1.11	0.83	0.88	0.92	0.78	0.84	0.69	0.52	0.55

PLASMA BETA GLOBULIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	0.54	0.57	0.70	0.85	0.72	0.68	0.69	0.88	0.75	0.77
D 18	-	0.96	0.80	0.82	0.59	0.67	0.57	0.70	0.54	0.64
D 19	-	0.50	0.68	0.46	0.55	0.62	0.31	0.42	0.58	0.47

* D 1 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 1	-	0.29	0.30	0.43	0.37	0.31	0.33	0.27	0.32	0.30
P 2	0.41	0.36	0.40	0.33	0.33	0.36	0.39	0.35	0.39	0.45
P 3	0.48	0.48	0.52	0.52	0.41	0.39	0.38	0.40	0.41	0.50
P 4	-	-	-	-	-	-	-	-	-	-
P 5	-	0.34	0.31	0.28	0.26	0.28	0.29	0.47	0.48	0.57
P 6	0.55	0.44	0.41	0.57	0.51	0.47	0.55	0.52	0.45	0.48
P 7	0.48	0.34	0.37	0.52	0.76	0.47	0.54	0.75	0.59	0.80
P 8	0.39	0.41	-	0.44	0.49	-	0.33	0.57	0.50	0.50
P 9	0.59	0.54	0.45	0.50	0.42	0.70	0.78	0.52	0.59	0.60
P 10	0.88	0.79	0.93	0.80	0.74	0.48	0.40	0.54	0.71	0.62

PLASMA BETA GLOBULIN (CONTINUED)Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	0.56	0.42	0.48	0.36	0.45	0.28	0.56	0.36	0.45	0.41
L 2	0.85	0.53	0.43	0.49	0.47	0.43	0.40	0.55	0.43	0.52
L 3	0.58	0.70	0.64	0.57	0.43	0.39	0.42	0.49	0.52	0.72
L 4	0.79	0.71	0.58	0.70	0.82	0.51	0.55	0.65	0.62	0.56
L 5	0.59	0.50	0.56	0.57	1.10	0.57	0.55	0.71	0.63	0.54
L 6	0.79	0.70	0.62	0.77	0.64	0.73	0.89	0.71	0.76	-
L 7	-	1.28	0.89	0.69	0.63	0.70	0.90	0.71	0.91	0.74
L 8	0.57	0.80	1.00	0.57	0.58	0.46	0.62	0.66	0.67	0.77
L 9	-	0.62	0.71	0.86	0.58	0.54	0.49	0.48	0.53	0.53
L 10	-	0.82	0.60	0.53	0.57	0.53	0.58	0.34	0.51	0.66
L 11	0.79	0.85	0.60	0.73	0.62	0.70	0.68	0.58	0.65	0.62

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	0.61	0.57	0.77	0.78	0.51	0.65	0.56	0.72	0.72	0.89
T 2	0.66	0.62	0.61	0.64	0.72	0.45	0.44	0.40	0.41	0.45
T 3	0.39	0.36	0.40	0.40	0.40	0.34	0.55	0.31	0.57	0.56

PLASMA BETA GLOBULIN (CONTINUED)

Low birth weight infants with maternal toxæmia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	0.37	0.41	0.40	0.40	0.39	0.34	0.35	0.44	0.31	0.39
T 5	-	0.54	0.58	0.59	0.67	0.68	0.73	0.43	0.46	0.63
T 6	0.51	0.57	0.75	0.62	0.54	0.49	0.38	0.46	0.60	0.77
T 7	-	0.62	0.59	0.63	0.54	0.56	0.61	0.62	0.64	0.60

PLASMA GAMMA GLOBULIN (g./100 ml.)

* Full-term normal infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
N 1	1.30	1.59	1.37	1.23	1.59	0.85	1.35	1.37	1.50	1.49
N 2	-	1.58	1.42	1.50	1.42	-	1.44	1.16	1.08	1.28
N 3	2.03	1.80	1.92	1.74	1.43	1.36	1.43	1.26	-	-
N 4	1.60	1.31	1.66	1.64	1.83	1.35	1.26	1.76	1.94	1.68
N 5	1.44	1.40	1.61	1.82	1.69	1.43	1.48	1.34	1.84	-
N 6	0.71	0.74	1.01	0.81	0.57	0.60	1.17	1.06	1.14	0.94
N 7	2.08	1.87	1.75	1.59	1.52	1.57	1.78	1.84	2.03	1.56
N 8	-	1.46	1.42	1.45	1.35	1.26	1.32	1.28	1.18	1.20
N 9	1.74	1.57	1.64	1.35	1.54	1.28	1.46	1.51	1.27	1.53
N 10	1.21	1.11	1.03	1.16	1.19	1.18	1.07	0.86	1.33	1.15
N 11	1.49	1.00	1.18	1.06	1.17	1.28	0.97	0.92	1.11	1.40
N 12	1.05	1.27	1.14	0.91	0.94	1.04	1.05	1.17	1.03	0.93
N 13	1.02	1.10	1.10	0.91	0.99	0.98	0.78	1.11	-	-
N 14	1.41	1.51	1.34	1.70	1.73	1.20	1.17	1.23	1.00	-
N 15	1.85	1.65	1.64	1.66	1.03	1.43	1.40	1.18	1.20	1.05
N 16	1.58	2.12	1.70	1.77	1.87	1.73	1.57	1.43	1.50	1.39

PLASMA GAMMA GLOBULIN (CONTINUED)

Infant No.	Hours after birth										
	0	2	4	8	12	18	24	48	72	96	
D 1	-	1.47	1.77	1.51	1.65	1.54	1.36	1.31	1.33	1.46	
D 2	1.21	2.07	1.66	1.44	1.32	1.12	-	0.80	1.09	1.48	
D 3	1.99	1.70	1.64	1.56	1.57	1.94	1.93	-	-	-	
D 4	1.00	0.78	0.85	0.86	0.85	0.91	1.06	0.90	0.78	0.89	
D 5	0.98	0.97	1.13	1.02	0.90	0.84	0.78	1.24	1.13	1.24	
D 6	-	1.15	1.32	1.13	1.81	1.01	0.88	0.98	1.25	1.21	
D 7	1.88	1.80	1.18	1.67	1.72	1.83	1.56	1.12	1.08	1.11	
D 8	2.03	2.19	1.99	1.93	1.96	1.95	2.12	1.87	1.99	1.30	
D 9	-	1.40	1.32	1.41	1.09	1.26	1.30	2.00	1.65	1.26	
D 10	-	1.35	1.25	1.37	1.25	1.46	1.30	1.45	1.61	1.27	
D 11	1.92	1.72	2.06	2.01	1.50	1.55	1.74	1.54	1.48	1.56	
D 12	1.14	1.21	1.25	1.27	1.13	1.23	1.11	1.14	1.24	1.20	
D 13	1.20	1.49	1.59	1.29	1.42	1.26	1.57	1.62	1.13	1.24	
D 14	1.79	1.75	1.40	1.45	1.32	1.32	1.15	1.50	1.13	1.45	
D 15	1.48	1.41	1.44	0.90	0.86	0.98	0.90	1.09	1.11	0.77	
D 16	-	1.90	1.85	1.56	1.67	1.73	1.55	1.72	1.46	1.40	

PLASMA GAMMA GLOBULIN (CONTINUED)

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
D 17	1.43	1.56	1.68	1.45	1.88	1.30	1.59	1.43	1.72	1.09
D 18	-	1.87	1.79	1.75	1.42	1.11	1.54	2.09	1.30	1.75
D 19	-	1.86	1.87	1.96	1.66	0.95	1.76	1.35	1.08	0.90

* D 1 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 1	-	0.76	0.95	0.84	0.94	1.03	0.99	0.92	0.89	1.00
P 2	0.96	1.04	0.81	0.80	0.85	0.82	0.95	0.70	1.13	1.17
P 3	1.34	1.37	1.19	1.42	1.17	1.17	1.09	1.13	0.99	1.22
P 4	-	-	-	-	-	-	-	-	-	-
P 5	-	1.12	0.86	0.92	1.05	0.96	0.81	0.95	1.29	0.91
P 6	1.42	1.41	1.47	1.32	1.60	1.48	1.04	1.56	1.35	1.30
P 7	1.42	1.48	1.36	1.24	1.46	1.29	1.51	1.23	1.06	1.66
P 8	0.53	0.57	-	0.69	0.63	-	1.10	0.75	1.27	1.24
P 9	1.53	1.58	1.29	1.14	1.42	1.27	1.54	1.60	1.54	1.47
P 10	1.50	1.37	1.30	1.37	0.99	0.85	0.85	1.22	1.15	0.87

PLASMA GAMMA GLOBULIN (CONTINUED)

Healthy low birth weight infants:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
L 1	1.36	1.26	1.34	1.25	1.17	1.29	1.05	1.16	1.17	1.05
L 2	1.37	1.34	1.39	1.24	1.34	1.37	1.08	1.03	1.01	1.08
L 3	1.73	1.63	1.50	1.18	1.39	1.22	1.28	0.86	1.18	1.64
L 4	1.36	1.21	1.24	1.28	1.25	1.24	1.40	1.43	1.11	1.31
L 5	1.57	1.59	1.68	1.64	1.42	1.63	1.82	1.71	1.84	1.42
L 6	1.42	1.53	1.58	1.61	1.54	1.46	1.29	1.64	1.48	-
L 7	-	1.75	1.55	1.61	1.56	1.61	1.49	1.86	1.53	1.46
L 8	1.69	1.83	2.14	1.70	1.90	1.67	1.87	1.38	1.38	1.25
L 9	-	1.66	1.85	1.77	1.86	1.79	1.66	1.35	1.15	1.22
L 10	-	1.52	1.14	1.14	1.24	1.14	1.33	0.82	0.98	0.80
L 11	1.89	1.73	1.85	1.89	1.75	1.95	1.86	1.67	1.40	1.64

Infants delivered by difficult obstetric procedures with maternal toxæmia:

T 1	1.70	1.07	1.82	1.54	1.65	1.95	1.64	1.79	1.63	1.51
T 2	1.33	1.39	1.11	1.14	1.11	1.00	0.86	0.76	0.81	1.08
T 3	0.99	0.72	0.66	0.87	0.94	0.76	0.83	0.79	0.66	0.91

PLASMA GAMMA GLOBULIN (CONTINUED)

Low birth weight infants with maternal toxemia:

Infant No.	Hours after birth									
	0	2	4	8	12	18	24	48	72	96
T 4	1.32	1.62	1.03	0.90	1.23	0.95	1.11	1.27	1.02	1.17
T 5	-	1.61	0.74	0.91	0.80	0.88	1.01	0.80	0.68	1.17
T 6	1.00	1.21	1.50	1.42	1.38	0.97	1.05	1.26	1.68	1.13
T 7	-	1.68	1.22	1.19	1.42	1.24	1.28	1.32	1.48	1.18

PLASMA TOTAL PROTEIN AND PROTEIN FRACTIONS (g./100 ml.) IN MOTHERS OF:

* Full-term normal infants:

Infant No.	Total protein	Albumin	Globulin			Albumin/Globulin	
			Alpha ₁	Alpha ₂	Beta		Gamma
N 6	6.65	2.90	0.33	0.73	1.06	1.63	0.80
N 7	7.60	2.63	0.45	1.06	1.42	2.04	0.53
N 8	7.45	4.20	0.22	0.61	0.88	1.54	1.29
N 9	5.55	3.20	0.24	0.47	0.56	1.08	1.36
N 10	7.00	3.07	0.34	0.68	1.20	1.71	0.78
N 11	7.00	2.87	0.27	0.81	1.15	1.90	0.70
N 12	5.85	3.20	0.15	0.35	1.00	1.15	1.21
N 13	6.00	3.40	0.21	0.42	0.58	1.39	1.31
N 14	6.00	2.70	0.32	0.67	0.83	1.48	0.82
N 15	6.45	3.00	0.29	0.58	0.90	1.68	0.87
N 16	6.30	2.15	0.54	0.79	0.96	1.86	0.52
D 3	6.00	3.40	0.39	0.51	0.62	1.08	1.42
D 4	5.10	2.15	0.27	0.63	0.83	1.22	0.73
D 5	5.25	2.15	0.19	0.56	0.70	1.65	0.69
D 6	6.90	2.85	0.24	0.71	0.95	2.15	0.70
D 7	6.75	1.95	0.35	0.80	1.65	2.00	0.41

PLASMA TOTAL PROTEIN AND PROTEIN FRACTIONS (g./100 ml.) IN MOTHERS OF: (CONTINUED)

Infant No.	Total protein	Albumin	Globulin			$\frac{\text{Albumin}}{\text{Globulin}}$
			Alpha ₁	Alpha ₂	Beta	
D 8	6.60	2.20	0.30	0.74	1.43	0.50
D 11	6.15	1.82	0.35	1.14	1.24	0.42
D 13	6.45	3.40	0.33	0.27	1.02	1.11
D 14	7.30	3.27	0.42	0.67	0.84	0.81
D 16	6.90	2.30	0.45	0.84	1.32	0.50
D 17	6.70	3.30	0.36	0.62	0.90	0.97
D 18	7.50	3.85	0.33	0.72	0.93	1.06
D 19	6.80	3.85	0.21	0.50	0.74	1.30

* D 3 to D 19 are the infants delivered by difficult obstetric procedures.

Healthy premature infants:

P 2	6.90	3.07	0.50	0.83	1.04	1.46	0.80
P 3	6.45	2.65	0.28	0.71	1.03	1.78	0.70
P 5	5.95	2.25	0.34	0.69	1.03	1.64	0.61
P 6	5.70	2.35	0.39	0.66	1.02	1.28	0.70
P 7	6.00	1.90	0.33	0.53	1.18	2.06	0.46
P 8	6.30	2.10	0.20	0.59	1.28	2.13	0.50

PLASMA TOTAL PROTEIN AND PROTEIN FRACTIONS (g./100 ml.) IN MOTHERS OF: (CONTINUED)

Infant No.	Total protein	Albumin	Globulin			Albumin/Globulin
			Alpha ₁	Alpha ₂	Beta	
P 9	6.00	2.10	0.30	0.81	1.05	0.54
P 10	7.60	2.55	0.46	1.10	1.40	0.50

Healthy low birth weight infants:

L 1	7.25	3.15	0.45	0.76	1.00	1.89	0.78
L 2	6.45	3.00	0.27	0.66	1.22	1.30	0.87
L 3	6.90	2.65	0.36	0.76	0.92	2.21	0.62
L 4	6.60	2.50	0.35	0.79	1.14	1.82	0.61
L 5	6.00	2.45	0.20	0.65	0.97	1.73	0.69
L 6	6.30	2.30	0.27	0.62	1.23	1.88	0.57
L 7	6.75	2.35	0.32	0.74	1.20	2.14	0.53
L 8	6.40	2.45	0.34	0.96	1.30	2.35	0.83
L 9	6.50	2.75	0.32	0.84	0.94	1.65	0.73
L 10	5.50	2.25	0.40	0.73	0.91	1.21	0.82
L 11	7.50	2.40	0.43	0.53	1.70	2.44	0.47

PLASMA TOTAL PROTEIN AND PROTEIN FRACTIONS (g./100 ml.) IN MOTHERS OF: (CONTINUED)

Infants delivered by difficult obstetric procedures with maternal toxæmia:

Infant No.	Total protein	Albumin	Globulin			$\frac{\text{Albumin}}{\text{Globulin}}$	
			α_1	α_2	β		
							γ
T 1	5.65	2.22	0.34	0.78	0.93	1.38	0.65
T 2	6.90	3.25	0.30	0.73	0.94	1.68	0.89
T 3	6.90	3.62	0.36	0.63	0.87	1.42	1.10

Low birth weight infants with maternal toxæmia:

T 6	5.25	2.00	0.23	0.81	0.87	1.34	0.62
T 7	6.80	2.20	0.36	0.81	1.20	2.23	0.48