

CLSS-008 Form A – Maximum Allowable Blood Draw Volumes

Children's National Hospital – Washington, D.C.
Division of Pathology and Laboratory Medicine
Clinical Lab Support Services

Maximum Allowable Blood Draw Volumes:

PATIENT WEIGHT IN KG	PATIENT WEIGHT IN POUNDS	PATIENT TOTAL BLOOD VOLUME*	MAXIMUM mL IN ONE BLOOD DRAW	MAXIMUM mL OVER 30-DAY PERIOD
(in kg)	(in pounds)	(in mL)	(3% of total blood volume in mL)	(5% of total blood volume in mL)
1	2.2	100	3	5
2	4.4	200	6	10
3	6.6	240	7.2	12
4	8.8	320	9.6	16
5	11	400	12	20
6	13.2	480	14.4	24
7	15.4	560	16.8	28
8	17.6	640	19.2	32
9	19.8	720	21.6	36
10	22	800	24	40
11 thru 15	24-33	880-1200	26.4-36	44-60
16-20	35-44	1280-1600	38.4-48	64-80
21-25	46-55	1680-2000	50.4-60	84-100
26-30	57-66	2080-2400	62.4-72	104-120
31-35	68-77	2480-2800	74.4-84	124-140
36-40	79-88	2880-3200	86.4-96	144-160
41-45	90-99	3280-3600	98.4-108	164-180
46-50	101-110	3680-4000	110.4-120	184-200
51-55	112-121	4080-4400	122.4-132	204-220
56-60	123-132	4480-4800	134.4-144	224-240
61-65	134-143	4880-5200	146.4-156	244-260
66-70	145-154	5280-5600	158.4-168	264-280
71-75	156-165	5680-6000	170.4-180	284-300

* Based on blood volume of:

1 to 2 kg 100 mL/kg (pre-term infant)
>2 kg 80 mL/kg (term infant - adult)

Adapted from Seattle Children's Hospital.