

Recommended maximum allowable blood draw volumes:

PATIENT'S WEIGHT		PATIENT'S TOTAL VOLUME	MAXIMUM mL IN ONE BLOOD DRAW
Kg	lbs	mL	2.5% of total blood vol
1	2.2	100	2.5
2	4.4	200	5
3	6.6	240	6
4	8.8	320	8
5	11	400	10
6	13.2	480	12
7	15.4	560	14
8	17.6	640	16
9	19.8	720	18
10	22	800	20
11 thru 15	24 thru 33	880-1200	22-30
16 thru 20	35 thru 44	1280-1600	32-40
21 thru 25	46 thru 55	1680-2000	42-50
26 thru 30	57 thru 66	2080-2400	52-60
31 thru 35	68 thru 77	2480-2800	62-70
36 thru 40	79 thru 88	2880-3200	72-80
41 thru 45	90 thru 99	3280-3600	82-90
46 thru 50	101 thru 110	3680-4000	92-100
51 thru 55	112 thru 121	4080-4400	102-110
56 thru 60	123 thru 132	4480-4800	112-120
61 thru 65	134 thru 143	4880-5200	122-130
66 thru 70	145 thru 154	5280-5600	132-140
71 thru 75	156 thru 165	5680-6000	142-150
76 thru 80	167 thru 176	6080-6400	152-160
81 thru 85	178 thru 187	6480-6800	162-170
86 thru 90	189 thru 198	6880-7200	172-180
91 thru 95	200 thru 209	7280-7600	182-190
96 thru 100	211 thru 220	7680-8000	192-200

Chart based on blood volume of:

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

Daily maximum: 3ml/kg/day maximum. If doing more than one draw per day, be careful to not exceed the one time maximum OR the daily maximum 3/ml/kg/day. Please consider returning waste from line when maximum will be exceeded.

The amount of blood that can be drawn in a 24 hour period is the same as the maximum amount column.

Patients admitted for a solid organ transplant (pre-transplant) are expected to exceed this volume. For all other patients, physician approval is required if maximum volume is to be exceeded for a 1 time draw or daily maximum.

This information is similar to that used by the Committee on Clinical Investigations at Children's Hospital in Los Angeles, and at Baylor College of Medicine in Dallas, TX.

Adapted by Seattle Children's Hospital Laboratory April 2012, Seattle, WA

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