

Survival Blood Collection

SURVIVAL BLOOD COLLECTION					
Acceptable Rodent Blood Sample Volumes*					
Species	Body weight (g)	Circulating Blood Volume (CBV) (ml)	1% CBV every 24 hours [†]	7.5% CBV every 7 days [†]	10% CBV (ml) every 2 wks [†]
Mouse	20	1.10 – 1.40	11 – 14 µl	90 – 105 µl	110 – 140 µl
	25	1.37 – 1.75	14 – 18 µl	102 – 131 µl	140 – 180 µl
	30	1.65 – 2.10	17 – 21 µl	124 – 158 µl	170 – 210 µl
	35	1.93 – 2.45	19 – 25 µl	145 – 184 µl	190 – 250 µl
	40	2.20 – 2.80	22 – 28 µl	165 – 210 µl	220 – 280 µl
Rat	125	6.88 – 8.75	69 – 88 µl	516 – 656 µl	690 – 880 µl
	150	8.25 – 10.50	82 – 105 µl	619 – 788 µl	820 – 1000 µl
	200	11.00 – 14.00	110 – 140 µl	825 – 1050 µl	1.1 – 1.4 ml
	250	13.75 – 17.50	138 – 175 µl	1.0 – 1.3 ml	1.4 – 1.8 ml
	300	16.50 – 21.00	165 – 210 µl	1.2 – 1.6 ml	1.7 – 2.1 ml
	350	19.25 – 24.50	193 – 245 µl	1.4 – 1.8 ml	1.9 – 2.5 ml

*National Institutes of Health–Animal Research Advisory Committee. 2012. Guidelines for survival bleeding of mice and rats."

[†]max cumulative sample volume for that sampling frequency