

6.1. Maximum volumes and recovery periods:

PERCENT OF BLOOD VOLUME COLLECTED	RECOVERY PERIOD (weeks)
7.5%	1-2
10%	3-4
15% Only when taking multiple small samples over a 24-hour period	4

6.2. Blood volume by species:

SPECIES	CIRCULATING BLOOD VOLUME (ml/kg BW)	7.5% (ml/kg BW)	10% (ml/kg BW)	15% (ml/kg BW)
Mouse	60	4.5	6.0	9.0
Rat	64	4.8	6.4	9.6
Hamster	78	5.8	7.8	11.7
Gerbil	67	5.0	6.7	10.0
Guinea pig	73	5.5	7.3	11.0
Rabbit	56	4.2	5.6	8.4
Cat	56	4.2	5.6	8.4
Dog	80	6.4	8.5	12.8
Ferret	60	4.5	6.0	9.0
Marmoset	60	4.5	6.0	9.0
Macaque	60	4.5	6.0	9.0

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- 7.1. If the volume of blood withdrawn exceeds the maximum recommended volume, or if blood is withdrawn more frequently than is recommended, the animal may go into hypovolemic shock.
 - 7.2. Monitor the animal during and after blood sampling for signs of shock, see section 7.4.
 - 7.3. Conta-8 (ee)TJ1.89 e64.7 (s)-11.4 ()-14.M0Td()Tj03.6.TBDC -0.002 [s13 (b)16nt)-1.1 (a)TJ1.8(b92 0 1.157 ()Tj3)-12.2 (

SPECIES	SITE	GENERAL ANESTHESIA REQUIRED	OBTAINABLE VOLUME
Cat	Jugular vein	No	Large
	Medial saphenous vein	No	Large
	Femoral vein	No	Large
	Cephalic vein	No	Medium to large
Dog	Jugular vein	No	Large
	Lateral saphenous vein	No	Medium to large
	Femoral vein	No	Large
	Cephalic vein	No	Medium to large
Ferret	Saphenous vein	No	Medium to large
	Cranial Vena Cava	Yes	

DATE	NEW VERSION
2021.11.16	3.3. It is recommended to take no more blood than is absolutely necessary. Remember to calculate beforehand the minimum amount of blood necessary to perform all tests and assays as well as the maximum volume of b (e)1 (h)-2158 (o)1.6 (ld)0.5 (Pt)-17.1 (h)0.65(a)-8 (xt)7 (A)-8.i8 (25(n)-4. (Pt)-bc 0 Tw [])TJ /TT8e)1 (h)

Blood volumes – Rat

Body weight (g)	Total circulating blood volume (mL)	Acceptable volume for collection (mL)		
		7.5%	10%	15%
150	9.6	0.72	0.96	1.44
160	10.2	0.77	1.02	1.54
170	10.9	0.82	1.09	1.63
180	11.5	0.86	1.15	1.73
190	12.2	0.91	1.22	1.82
200	12.8	0.96	1.28	1.92
210	13.4	1.01	1.34	2.02
220	14.1	1.06	1.41	2.11
230	14.7	1.10	1.47	2.21
240	15.4	1.15	1.54	2.30
250	16.0	1.20	1.60	2.40
260	16.6	1.25	1.66	2.50
270	17.3	1.30	1.73	2.59
280	17.9	1.34	1.79	2.69
290	18.6	1.39	1.86	2.78
300	19.2	1.44	1.92	2.88
310	19.8	1.49	1.98	2.98
320	20.5	1.54	2.05	3.07
330	21.1	1.58	2.11	3.17
340	21.8	1.63	2.18	3.26
350	22.4	1.68	2.24	3.36
360	23.0	1.73	2.30	3.46
370	23.7	1.78	2.37	3.55
380	24.3	1.82	2.43	3.65
390	25.0	1.87	2.50	3.74
400	25.6	1.92	2.56	3.84
410	26.2	1.97	2.62	3.94
420	26.9	2.02	2.69	4.03
430	27.5	2.06	2.75	4.13
440	28.2	2.11	2.82	4.22
450	28.8	2.16	2.88	4.32
460	29.4	2.21	2.94	4.42

2.21

4.32