

DREXEL UNIVERSITY ANIMAL CARE AND USE COMMITTEE DOSING VOLUME POLICY

The following are appropriate dosing volumes for the various laboratory animal species. Figures represent the maximum volume not to be exceeded for a single once per day administration. The veterinary staff is available to discuss appropriate volumes for species not listed. Volumes that exceed those listed must be stated in the ACUC protocol and should be discussed with an ULAR veterinarian prior to submission.

MAXIMUM DOSING VOLUMES (ml/kg)

	GAVAGE	IV¹	IP	SC²	IM³
MOUSE (and other small mammalian animals)	10	5	10	5	3
RAT	10	5	10	5	2
GUINEA PIG	10 ^a	5	10	5	1
RABBIT	10	5	5 ^b	5	0.3
DOG	10	5	2	5	0.3
CAT	10	5	2	5	0.3
NONHUMAN PRIMATE	10	5	5	5	0.3

¹Volumes near the maximum must be given very slowly; e.g., over a period of a minute or longer. Allowable volumes would be greater for intravenous infusions.

²More than one site should be used when administering larger volumes subcutaneously. The veterinary staff should be consulted in making this decision.

³Appropriate volumes for intramuscular administration may vary depending on the irritancy of the solution. If the potential for irritancy exists and/or larger volumes need to be used, an alternative is to inject smaller volumes into multiple sites.

^aThe anatomy of the pharynx in this species makes gavage difficult; seek appropriate help to learn this technique.

^bThe intraperitoneal route of administration is infrequently used in rabbits.

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