

## ROUTES OF ADMINISTRATION, VOLUME, AND NEEDLE GAUGES FOR DRUG ADMINISTRATIONS<sup>1</sup>

University of South Florida provides the following as guidelines only for use by IACUC-certified faculty and staff.

Species	PO	SC <sup>2</sup>	IM <sup>3</sup>	IP	IV (bolus)	IV (slow) <sup>4</sup>
<b>Mouse</b>	10 µl gavage needle	µl/g 23 gauge	muscle mass;	20 µl/g 23	5 µl/g lateral tail v. 30 gauge	20 µl/g lateral tail v. 30 gauge