

Recommended blood collection sites by species

<u>Mouse</u>	<u>Rat</u>	<u>Rabbit</u>	<u>Pig</u>	<u>NHP</u>	<u>Sheep/Ruminant</u>
Submandibular Vein	Submandibular Vein	Marginal Ear Vein	Marginal Ear Vein	Femoral Vein	Jugular Vein
Anesthesia: No	Anesthesia: No	Sedation: Yes	Sedation: Yes	Anesthesia: Yes	Anesthesia: No
Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes
Expected volume: 100-200 uL	Expected volume: 100-200 uL	Expected volume: 1-3 ml			
Lateral Tail vein	Lateral Tail Vein	Lateral Saphenous Vein	Right Jugular Vein	Cephalic Vein	Cephalic Vein
Anesthesia: No	Anesthesia: No	Sedation: Yes	Sedation: Yes	Anesthesia: required	Anesthesia: No
Repeat bleeds: Yes	Repeat Bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes
Expected volume: 50-100uL	Expected volume: 0.5-1 ml				
Saphenous Vein	Saphenous Vein	Cephalic Vein	Cephalic Vein	Saphenous Vein	Saphenous Vein
Anesthesia: No	Anesthesia: No	Sedation: Yes	Sedation: Yes	Anesthesia: Yes	Anesthesia: No
Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes
Expected volume 100-200 uL	Expected volume: 300-400 uL				
Retro-Orbital Sinus	Retro-orbital Plexus	Jugular Vein	Anterior Vena Cava	Brachial Vein	
Anesthesia: required	Anesthesia: Required	Anesthesia: Yes	Anesthesia: Yes	Anesthesia: required	
>7d between subsequent blood collections, alternate eyes between bleeds	>7d between subsequent blood collections, alternate eyes between bleeds	Repeat bleeds: Yes	Repeat bleeds: Yes	Repeat bleeds: Yes	
Expected volume: ~200uL	Expected volume: 0.5 – 1 ml				
Distal tail transection	Jugular Vein	Cardiac puncture: terminal			
(1-2 mm) No more than 4 mm total to be removed	Anesthesia: Required	Anesthesia: Required			
Anesthesia: if >21 days old	Repeat bleeds: Yes	Repeat bleeds: Terminal			
Repeat bleeds: Limited	Expected volume: 0.5-1 ml				
Cardiac puncture: terminal	Cardiac puncture: terminal				
Anesthesia: Required	Anesthesia: Required				
Repeat bleeds: Terminal	Repeat bleeds: Terminal				
Expected volume: 1 ml	Expected volume: 8-10 ml				