

CARDIAC BLOOD COLLECTION AND ADMINISTRATIONS IN MICE IN-PERSON TRAINING

UNIVERSITY OF SOUTH FLORIDA
COMPARATIVE MEDICINE

Attendee Name: _____
Print Sign Date

Discuss/Review:

- _____ **Collection** directly from the heart (i.e., cardiac) is a **terminal** procedure used to collect final large volume.
- _____ Blood **must collected** only when mice are deeply anesthetized (injectable or isoflurane), or **immediately following** euthanasia with CO₂.
- _____ Up to 1ml of blood can be collected.
- _____ Cardiac Injection also **requires anesthesia** (Isoflurane is recommended); this injection route is typically done as a one-time administration and is **not repeated**.
- _____ Up to 0.2ml volume may be delivered to heart.
- _____ Both techniques require care and consideration regarding excessive movement of the needle tip so as not to cause ripping of the muscle that could result in prevention of full volume collection or administration.

Demonstrate/Assess:

Cardiac Blood Collection

- _____ The mouse must be **anesthetized or euthanized** immediately prior to collection.
- _____ The entire ventral surface is saturated with alcohol or Oxivir to assist with visualization of