

SOP: **TE-01**

Title: **Retro-Orbital Blood Collection**

SOP Last Revision Date:  
26MAR09

## **PURPOSE**

The purpose of this Standard Operating Procedure (SOP) is to describe the method for collecting blood from the orbital sinus. This SOP applies to animals housed at the Laboratory Animal Research Core's animal facilities on the campus of the University of Missouri-Kansas City.

## **POLICY**

It is LARC policy to meet or exceed all federal, state, local regulations and institutional policies/procedures as they apply to the use of animals in research. Personnel must attend any applicable training in animal care and use, occupational health and safety, equipment operation, and Standard Operating Procedures prior to performing activities outlined in this SOP or work under the direct supervision of a trained LARC staff member.

## **REFERENCES**

- A. Laboratory Animal Research Core Personnel
- B. *The Guide for Care and Use of Laboratory Animals "The Guide"*
- C. Office Of Laboratory Animal Welfare (OLAW)
- D. Animal Welfare Act and Animal Welfare Regulations (AWA & AWR's)

## **DEFINITIONS**

- A. Hemostasis = to stop the flow of blood

## **PROCEDURES**

- A. Label the blood collection tube or vial with appropriate information identifying the particular animal who is being tested.
- B. Restrain animal and administer appropriate anesthetic agent.
- C. Grasp rodent firmly behind ears.
- D. Using a disposable microhematocrit tube, position the sampling device in the medial canthus of eye.
- E. Rotate the sampling device with pressure sufficient to cut through conjunctiva.
- F. Retract the sampling device slightly to allow blood to flow in.
- G. When an adequate sample has been obtained, remove the tube and hold the animal's eyelid closed to assist hemostasis.
- H. Blood is placed in the labeled serum separator tube.