

Blood Withdrawal Techniques in Experimental Animals

Course code: BPHSK1

Objective: This outlines the preferred methods for collecting blood from animals and blood collection volume and frequency limits. Blood collection for experimental purposes must comply with the investigator's Animal Care and Use Committee approved protocol, including approved collection techniques, volumes, and frequencies.

Unit I

6 hours

Basic study of Experimental animals and blood withdrawal, Introduction and scope of blood withdrawal from experimental animals, Principle of blood withdrawal in experimental animals, General Methods of blood withdrawal from experimental animals

Unit II

6 hours

Blood withdrawal techniques in rat and mice, blood withdrawal from tail vein, blood saphenous vein, pedal vein, blood withdrawal from tail snip, blood withdrawal from orbital sinus

Unit III

6 hours

Blood withdrawal techniques in rabbit, blood withdrawal from marginal ear vein and central ear artery

Unit IV

6 hours

Blood withdrawal techniques in guinea pig, blood withdrawal from tarsal vein and saphenous vein

Unit V

6 hours

Blood withdrawal technique by terminal procedure, blood withdrawal by cardiac puncture, blood withdrawal through posterior vena-cava


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