

Mouse Pathology Core

Blood Collection with EDTA

Materials

Natelson Blood Collecting Tubes w/o anti-coagulant (Fisher, cat #: 02-668-15)

0.17M EDTA, pH 8.0

Microtainer tubes with K2 EDTA (Fisher, 50/bag, cat #: 02-669-33)

Face mask

Procedure

Place 5 μ l of 0.17M EDTA solution into the tapered end of a Natelson blood collecting tube. Hold tube near the tapered-end between thumb and forefinger, and then flick your wrist so that the EDTA coats the entire tube. OK if some EDTA ejects out of the tube. Use this tube to collect blood, and then drain the blood into a Microtainer tube. To expel the residual blood from the collecting tube, briskly blow into the large end of the collecting tube from a distance of a few centimeters (do this procedure while wearing a mask and eye protection) [using a rubber bulb to expel the blood is an alternative]. Cap the Microtainer and ensure that the tube is properly labeled (on the cap and on the body of the tube). Place Microtainer on a rocker as soon as possible.