Plasma and Buffy Coat Preparation with 10 ml EDTA Collection Tube

Step One ➢ Collect blood into EDTA tubes, allowing blood to flow for 10 seconds and ensuring blood flow has stopped.

Step Two ➢ Immediately after blood draw, invert tubes 8-10 times to mix samples.

Step Three ➢ Place thoroughly mixed tubes on wet ice until centrifugation begins.

Step Four ➢ Centrifuge samples at 2000 x g for 10 minutes at 4°C.

Step Five ➢ Place thoroughly mixed tubes on wet ice until centrifugation begins.

Step Six ➢ Aliquot 1.5 ml plasma into each polypropylene cryovial.
➢ Store plasma aliquots upright at -80°C until shipment to NCRAD.
➢ Using a clean transfer pipette, collect theuffy coat (may have residual plasma and some RBCs included).
➢ Transfer the buffy coat from each EDTA tube into its own polypropylene cryovial.
➢ Store buffy coat aliquots upright at -80°C until shipment to NCRAD.
➢ Spin, aliquot, and freeze all plasma and buffy coat aliquots within 2 hours of collection.

Step Seven ➢ Pool all plasma from the EDTA tubes into a polypropylene conical tube and invert gently 3 times to mix the plasma.