

SAMPLE COLLECTION AND PREPARATION FOR PLATELET-POOR PLASMA (PPP)

ADAMTS13 ACTIVITY/ ADAMTS13 INHIBITOR TESTING

1. Collect 3 to 5mL of blood in a buffered sodium citrate (3.2%) tube. Do not use plasma that has been collected in, or treated with, EDTA.
2. After collection, store the tube upright at room temperature until centrifugation. Centrifuge between 15 minutes and two hours post collection.
3. Remix the blood sample immediately prior to centrifugation by gently inverting the tube 8 to 10 times.
4. Centrifuge blood sample at room temperature for 15 to 20 minutes at 1500-1800 RCF.
5. Following centrifugation, transfer the top 2/3 of the plasma layer into a new plastic tube.
6. Re-centrifuge the collected plasma at 1500-1800 RCF for an additional 15-20 minutes to remove any red cells or platelets
7. Transfer the top 2/3 of the plasma into a new plastic tube, taking care not to disturb any cells at the bottom of the tube.

Sample storage:

Plasma should be stored frozen -15°C to -20 °C. Specimens may be frozen up to six months at -70 °C.

Ship samples frozen, overnight, packed in dry ice to:

Cincinnati Children's Hospital Medical Center
Attention: Lab Processing B-4
3333 Burnet Avenue
Cincinnati Ohio 45229

For questions regarding sample preparation, storage, or results of ADAMTS13 testing, contact the Nephrology Clinical Laboratory at (513) 636-4530.