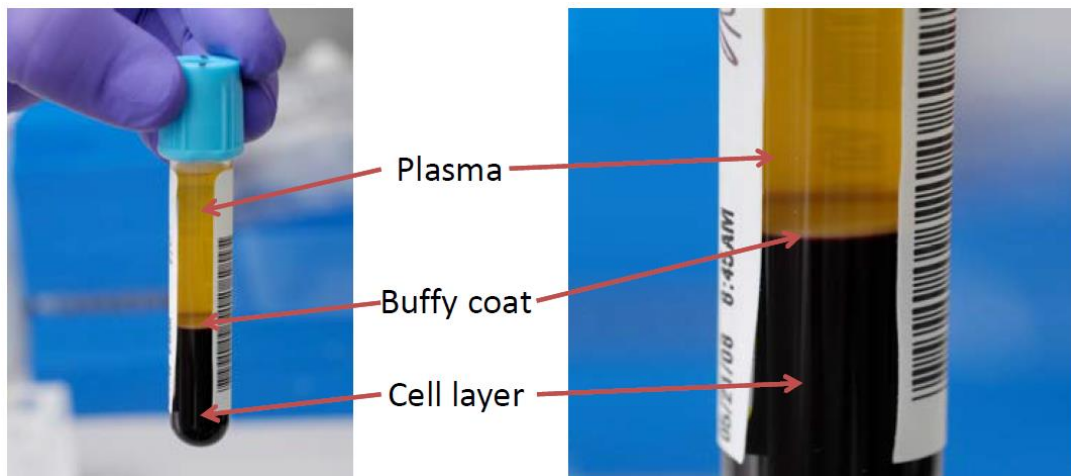
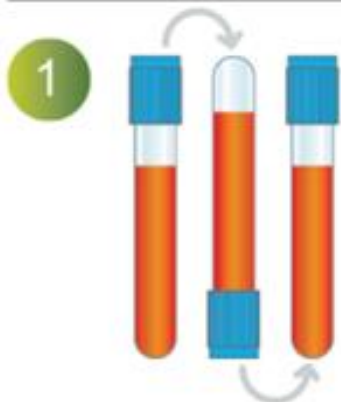


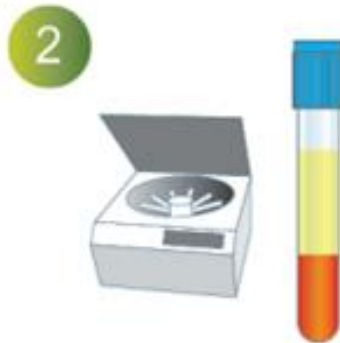
## Platelet Poor Plasma (PPP) Preparation

1. **Draw blood from the patient into light blue-top (sodium citrate) evacuated tubes** containing 3.2% sodium citrate.
  - a. The tubes must fill completely. A clean venipuncture is essential to avoid activation of coagulation by tissue thromboplastin.
  - b. Mix gently by inverting the tube end over end 5 to 6 times. Avoid vigorous mixing or additional inversion. Observe for the presence of clots. Specimens containing fibrin clots will, in most cases, be rejected.
  - c. Maintain at ambient temperature until processed. Transport at ambient temperature to the processing site or facility.
  - d. Sample processing ideally should take place within 1 hour of collection time; however, it must be completed within 4 hours of collection time.
2. **The specimen must be double-centrifuged to prepare a platelet-free plasma specimen (platelet count <10,000/mcL).**
  - a. Immediately centrifuge specimen (1500 x G for 10 minutes).
  - b. Carefully remove plasma from cells, avoiding the platelet/buffy coat.
  - c. Dispense into a plastic tube using a plastic transfer pipette. Do not pour off!
  - d. Centrifuge aliquoted plasma a second time (1500 x G for 10 minutes).
  - e. Remove the top portion of plasma, leaving approximately 250 mcL in the bottom to **discard**.
  - f. The double-centrifuged plasma should be aliquoted (1 to 2 mL per aliquot) into clearly labeled plastic tubes. The number of tests ordered will determine the aliquots needed. Generally, a 1 mL aliquot per test is required, although test volumes may be combined up to 2 mL of plasma per aliquot. Pay particular attention to the amount of specimen required for the ordered tests. Coagulation profiles (see individual test specimen requirements) and multiple single-test orders will require multiple aliquots.
3. **Label each tube "PLASMA".**
4. **Specimens should be frozen at below -40° C**, if possible, and sent together. Specimens must arrive frozen.

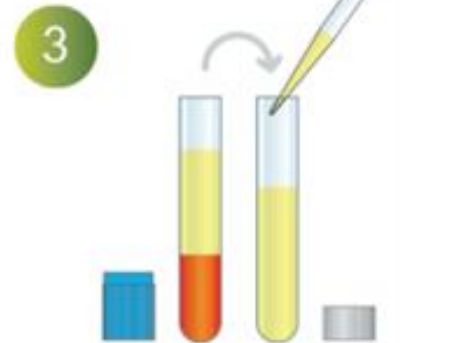




1  
Immediately after collection, mix specimen by gentle inversion. Complete processing within 60 minutes of collection.



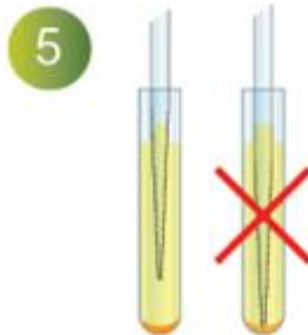
2  
Centrifuge at 1500 x g for 15 minutes.



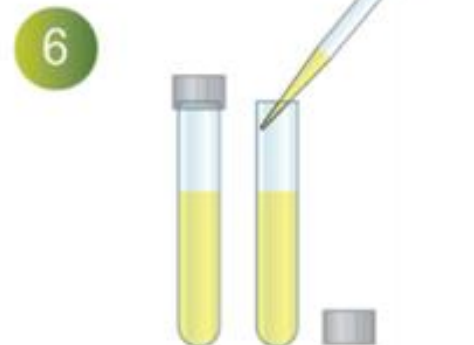
3  
Using plastic Pasteur Pipettes, transfer supernatant plasma to a plastic tube.



4  
Cap and centrifuge supernatant plasma at 1500 x g for 15 minutes.



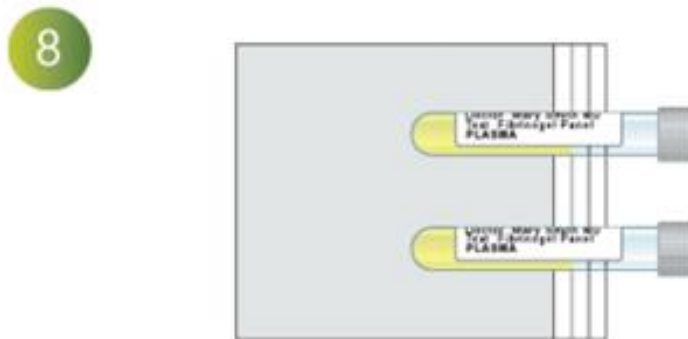
5  
Remove supernatant plasma from second spin, being careful to not disturb the sediment at the bottom of the tube.



6  
Transfer plasma to plastic storage tubes.



7  
Label tubes with patient information and specimen type.



8  
Immediately process and place specimens at the proper temperature for transport. Specimens should be FROZEN.