Local anesthetic is used. Note that the needle should not be advanced beyond the distance from the skin to the chest cavity as demonstrated on ultrasound.

Nick with scalpel.

Insert catheter with trocar and needle. Note the catheter should not be advanced more than the distance to the pleural fluid as demonstrated on ultrasound.

Remove trocar and needle while simultaneously advancing catheter. Only the tip of the catheter with the drainage holes should be in the chest cavity.

Attach 3-way stopcock, syringe and collection bag.

Aspirate pleural fluid into syringe.

Turn stopcock valve to allow pleural fluid to drain into collection bag. Then remove syringe.

Replace cap. (Ensure that the bag is below the level of the insertion site)