

# Instructions for the 100 mL Single Bag Syringe Set

## HOW TO COLLECT 50 mL OF WHOLE BLOOD

### You will need the following items:

- ABRI 100 mL Single Bag Syringe Set
- Anticoagulant
- 12 cc syringe with 20 gauge needle for withdrawal of anticoagulant
- Plastic hemostat or guarded hemostat (protective cover over hemostat teeth)
- Sealing clips (optional)
- Household pliers or stripping-sealing pliers (optional)

### Preparation:

- Open plastic pouch at top, remove the set, inspect and tighten fittings. Avoid contamination of needle and injection ports.
- Position stopcock as show in figure 1.
- Using aseptic practices, draw approximately 7 mL of anticoagulant into the 12 cc syringe.
- Place the guarded hemostat on the donor tubing on the donor bag side of the injection port.
- Inject the anticoagulant into the 60 mL syringe through the injection port.
- Position the stopcock as shown in figure 2. Charge the butterfly catheter with anticoagulant.
- Remove the hemostat from the donor tubing and place it on the catheter tubing. **NOTE:** At no time should outside air be allowed to enter this collection system.



Figure 1: Preparation for insertion of anticoagulant



Figure 2: Charging the catheter with anticoagulant

### Collection:

- Clip and perform a surgical scrub on the venipuncture site.
- Perform venipuncture and remove the hemostat. **NOTE:** The catheter must be inserted into the vein once it touches the venipuncture site. Do not remove the needle and reinsert it. **Failure to follow this guideline may result in product contamination.**

- **Lightly** pull on the syringe plunger to create a small vacuum. Blood should flow freely into syringe. **NOTE:** Too much pressure can stop blood flow. Invert syringe several times during draw to mix anticoagulant and blood. Continue collection until syringe contains 57 mL  $\pm$  10% (blood plus anticoagulant).
- Turn stopcock to the position in figure 3 and remove needle from the vein.
- Push plunger to transfer blood to donor bag. If using tubing stripper pliers, strip the blood from the tubing into the bag.
- Seal donor tubing using two sealing clips. Start at the distal end of the tubing, fold the tubing sharply and slip a sealing clip over the fold. Compress the sealing clip with pliers to form a seal. Repeat adjacent to the first clip. This assures a complete seal. The donor tubing can be sealed by tying two knots in tubing if clips are not available.
- Cut tubing between clips or knots to remove the syringe and stopcock from the donor bag.



Figure 3: Stopcock positioning for transfer of blood from syringe to bag

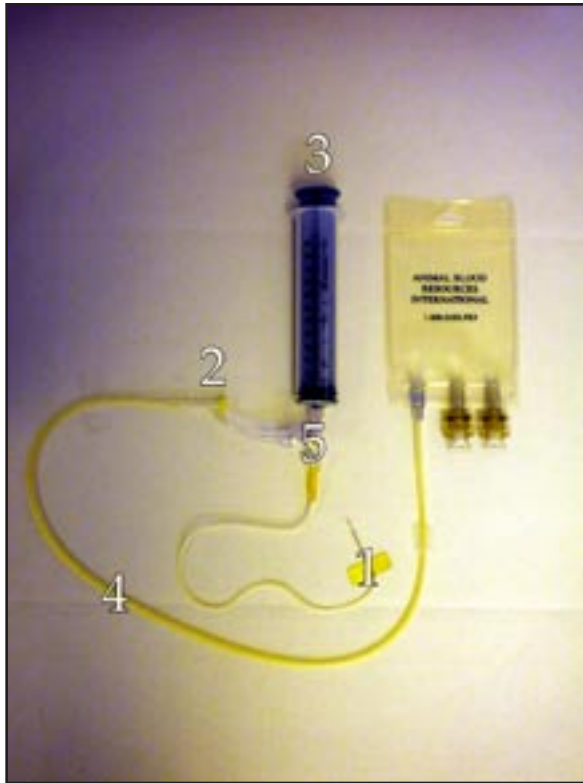
### Storage:

Blood should be stored between 1°C and 4°C. The bag should be placed upright, using a blood bag holder. This allows air to circulate around the bag to maximize shelf life. This also allows for separation of the red cells from the plasma.

### Administration:

Inspect the collected blood for hemolysis, discolorations, clots, etc., prior to administration. Gently rock bag to resuspend red cells. Connect a blood administration set or drip set to the bag via one of the spike ports. Purge air from line. When using a drip set, a HemoNate® small volume blood filter, or a Feline Blood Administration Set (available exclusively from ABRI) must be used. Attach filter to needle adapter at end of drip set before connecting to catheter. Blood must be filtered during administration. **Warning:** A crossmatch should always be performed before transfusion of any blood product.

## 100 mL Single Bag Syringe Set Diagram



### LEGEND

1. 19 Gauge Butterfly Needle
2. Injection Port
3. 60 mL Syringe
4. Donor Tubing
5. 3-Way Stopcock

The ABRI 100 mL Single Bag Syringe Set provides a closed system for the collection and storage of 50 mLs or less of whole blood. It is ideal for use in cats and other small animals. The set consists of a 19 gauge butterfly needle, a 3-way stopcock, a 60 mL syringe and a multipurpose small animal blood donor bag. A double bag system is also available for the collection of whole blood, and features an attached transfer bag for removal of plasma.

**This system does not contain anticoagulant.**



100 mL Single Bag Syringe Set  
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