Transfusion therapy is an integral part in the supportive management of critically ill and anemic animals. The JorVet Small Animal Blood Collection Sets are complete closed systems for collection and storage of up to 50ml of whole blood. Two systems are available, each with complete directions.

Selecting and caring for donors
Animals selected as blood donors should weigh at least 8 lb (3.6 kg) and be negative for viruses and blood-borne pathogens. Weakened or immunocompromised recipients may be especially susceptible to blood-derived diseases. Serum chemistry and CBC results should all be within normal range. Donors may require sedation or anesthesia during the procedure, for which the jugular vein site is clipped and aseptically prepared. Animals may be placed on circulating water blankets if desired; and temperature, heart and respiration, and capillary refill times are monitored carefully throughout donation and recovery. Immediately following collection, donors may receive IV or SQ lactated ringers solution. A successful donation from a cat or small animal is considered to be 50ml of whole blood.

Directions for collection set J520ax
Please read all directions carefully before beginning the procedure

1. Preparation
   - Remove collection set from the pouch and assure all fittings are secure
   - With stopcock OFF to the bag, (Figure 1) aseptically remove 60cc syringe. Draw 7cc of ACD-A anticoagulant (J522) into syringe and replace syringe onto stopcock. Anticoagulant to blood ratio is 7cc to 50cc.
   - Prime catheter tubing and needle with anticoagulant

2. Collection
   - Insert catheter into clipped and scrubbed jugular vein site
   - With slight positive pressure, draw up to 50cc of whole blood ± 10% into syringe
   - Crimp catheter tubing with hemostat and remove needle. Do not remove the syringe
   - With stopcock OFF to catheter, gently invert syringe several times to mix blood with anticoagulant
   - CAUTION: At no time should the stopcock point OFF to the syringe. This will allow air into the collection bag and contaminate the sample. (Figure 2)
   - Transfer blood from syringe to collection bag, using tubing strippers or guarded hemostats if desired, to express blood more completely
   - Fold donor tubing and crimp over folds in 2 places using aluminum sealing clips. Place the first clip near the bag port and place the second clip next to it. Cut tubing between clips. This assures a complete seal.

3. Storage
   Store whole blood between 1° C and 4° C. The bag should be placed upright, which promotes air circulation, increases shelf life and facilitates separation of whole blood into its component parts, i.e., packed RBCs and plasma, if desired.
   Whole blood with ACD-A anticoagulant is viable for a maximum of 28 days.

4. Administration
   To administer blood or its components, always use a
   - Blood Administration Set with chamber filter (J 65). 20 drops/ml
   OR
   - Hemo Nate Filter (J522H) attached to a regular drip set (J400 series)