
Advanced Sanitary CPR Dog LF01155U Instruction Manual



CAUTION: PRODUCT CONTAINS DRY NATURAL RUBBER!

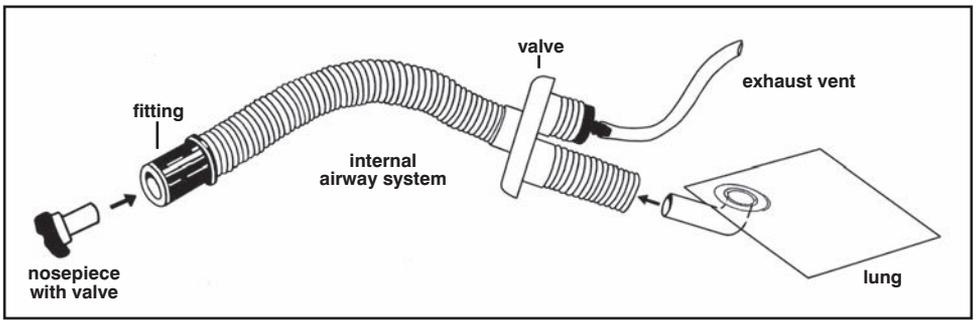


Figure 1

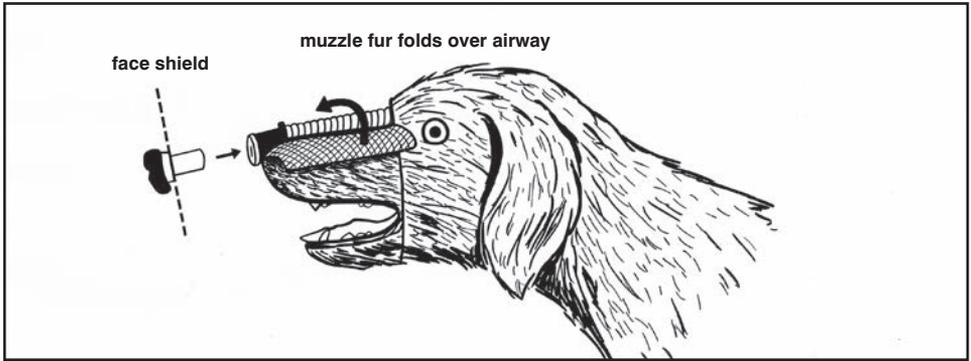


Figure 2

About the **Life/form**® CPR Dog Airway System

The sanitary airway consists of a nose-piece with a non-rebreathing valve, a hose system with one-way valve, lung, and exhaust vent. (See figure 1.) The system is designed to minimize cross-contamination between students. Each student should use a separate nosepiece that should be discarded after use, as it cannot be effectively sanitized. The hose system and lung should also be replaced regularly to prevent the buildup of moisture and potentially harmful bacteria. *The use of a face shield between the nosepiece and the muzzle is recommended to prevent direct mouth contact with the fur. If necessary, cut a small X in the shield for the nosepiece to fit through.*

Setting Up the Airway

The CPR Dog comes with the internal hose system already installed. To begin training, simply position your

face shield over the dog's muzzle and push the valve end of the nosepiece through the shield into the white fitting in the muzzle. (See figure 2.)

Replacing the Airway

1. Remove the nosepiece.
2. Open the zipper far enough to fold back the fur and expose the airway.
3. Fold back the fur on the top of the muzzle.
4. Remove and discard the old air hose and lung.
5. Snap the new system into place, starting at the nose end, making sure that the lung lies flat against the chest.
6. Feed the exhaust tubing out the hole in the dog's back. (See figure 3.)
7. Replace the muzzle fur and close the zipper.

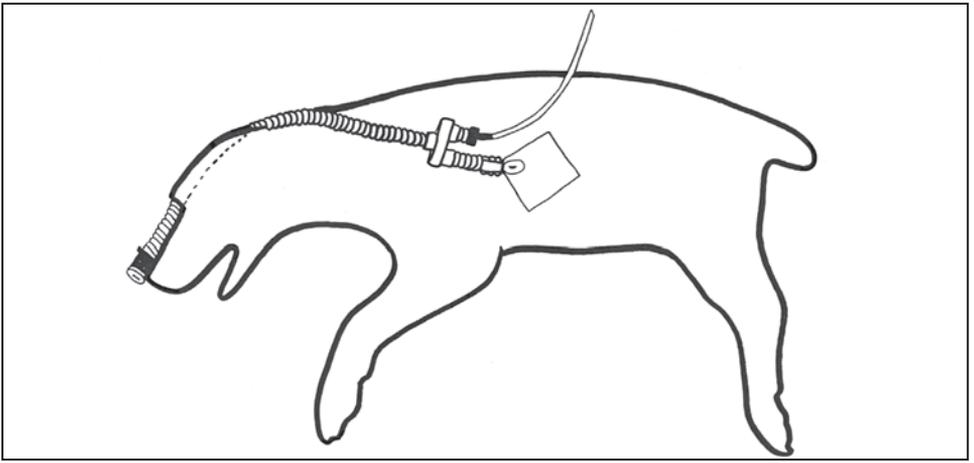


Figure 3

Using the Electronic Monitor

Remove the battery cover from the control box and install the 9V battery. Replace the battery cover. The manikin also comes with an AC/DC power adapter for use when an outlet is available. Connect the CPR Dog to the control box by snapping the two connectors together. **Note:** The dog should be disconnected from the control box when not in use, especially if the battery is installed. The position sensor may be easily activated during storage, draining the battery.

- Adequate airway pressure via endotracheal (NOT mouth-to-nose) ventilation will activate the “correct ventilation” light on the control box.
- Appropriate hand placement on the chest will activate the “correct position” light.
- Appropriate chest pressure will activate the “correct compression” light.
- The red “error” light or optional audio signal indicates excessive chest pressure.

Training with the **Life/form®** CPR Dog

CPR should always be performed from the back of the dog with the animal lying on its right side (left side UP). Place the dog on a firm, nonslip surface.

Mouth-to-Nose Ventilation

Clamp the dog’s mouth shut with both hands and blow gently into the nose. Watch for chest to rise. Do not over-inflate. *The control box light will not activate.*

Endotracheal Ventilation

Establish an airway by inserting a 6 mm or 6.5 mm lubricated cuffed endotracheal tube into the simulated trachea at the back of the throat. The cuff on the ET tube must be inflated with a 12 cc syringe. *Chest rise is visible only with the mouth-to-nose method.*

Chest Compression

Place your hands on the dog’s chest just behind the shoulder, at the point where the left elbow would meet the body if the leg were pulled backward. Use the heel of your hand to activate the position light. The suggested rate is 60 compressions and 12 breaths per minute, or one breath for every five compressions. Avoid excessive pressure, as this may damage the trainer. Resuscitation may be practiced with one person or two, with one performing compressions while the other ventilates.

Pulse

The femoral artery tubing is located in the left hind leg. By manipulating the squeeze bulb, the instructor can simulate a variety of heart rates and conditions.

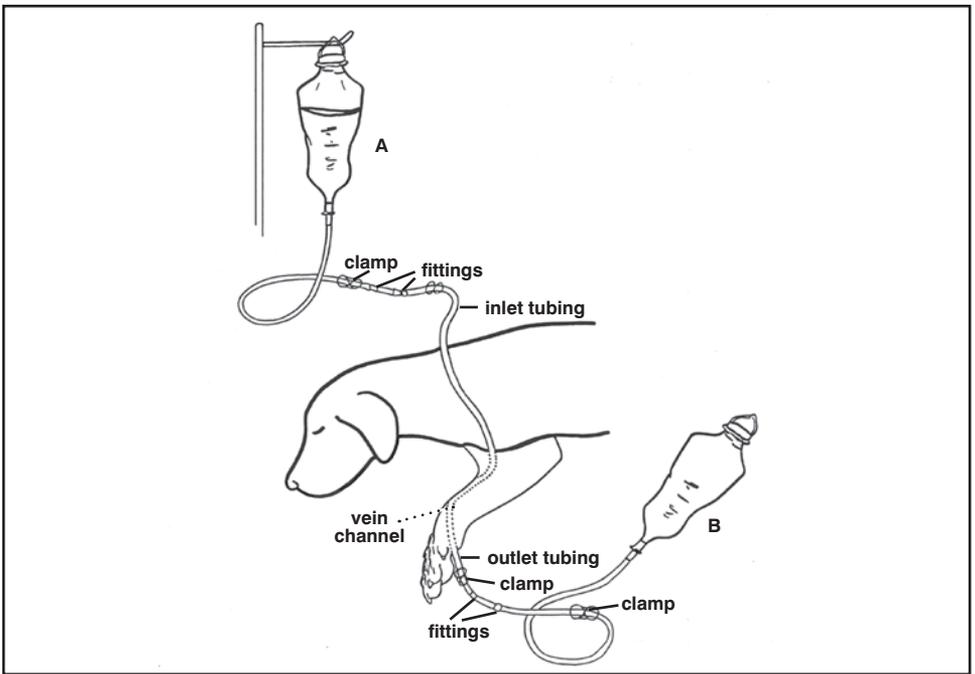


Figure 4

About the Intravenous Leg

The **Life/form**® CPR Dog IV leg has been designed to provide a realistic experience in locating the cephalic vein of the right foreleg. Students may then practice needle insertion for blood sampling or IV administration. For longer vein life, always use a small needle (22-gauge or smaller). Never use dull or burred needles. The latex vein tubing may be easily replaced when it is no longer usable.

Setting Up the IV Leg

The **Life/form**® CPR Dog IV leg comes with the supplies needed to perform most procedures. To perform intravenous infusions, use distilled water or simulated blood. To set up the trainer for a blood draw:

1. Add 1 pint of distilled water to the artificial blood concentrate and mix well. **Handle the blood carefully, as it will stain skin and fabric.**
2. Pour the blood into IV bag A, making sure that the clamp is closed. (**See figure 4.**)
3. Attach the tubing from the bag to the inlet tubing of the leg. Hang the bag, adjusting height as needed.
4. Attach the outlet tubing to the empty IV bag B. Have this bag at, or slightly below, the level of the dog, with the cap closed. Pressurize the system by opening all the clamps until the fluid in the outlet tubing runs free of bubbles. Close the IV bag B clamp.
5. "Blood" can now be drawn from any point on the vein. Use only distilled water to prepare the site. "Blood" will be aspirated when the vein is punctured correctly.

Preparing for IV Infusion

1. Prepare your IV bag and solution (water recommended).
2. Have the leg set up as described in the preceding section (“Setting Up the IV Leg”).
3. Insert the butterfly needle into the vein. “Flashback” will indicate proper insertion.
4. Close the IV bag A clamp. Hang the solution bag and connect it to the butterfly set. Open the IV bag B clamp. Infusion fluid should flow into the vein and out into IV bag B. Control the rate of flow by adjusting the clamp on the solution bag.

Note: IV bags A and B may be switched as needed to maintain adequate pressurization of the system.

Injections

Subcutaneous or intramuscular injections may be administered anywhere on the dog. **Air is the recommended injectant. If you prefer to inject liquid, use only water.** Be aware that moisture will then be introduced into the interior of the foam body and will evaporate very slowly, especially with intramuscular injections. Avoid puncturing the lung or airway system.

Troubleshooting

1. Make sure all clamps have been opened or closed correctly.
2. Check tubing for kinks or other blockage.
3. Constant clamp pressure can cause the tubing to pinch shut, even after the clamp is loosened. Slide the clamp to a new position and work the tubing with your fingers to restore the lumen.
4. Forcing fluid through the system with a large syringe may remove clogs.
5. If no blockage is visible, remove the leg fur and examine the tubing for kinks.

Replacing the Vein Tubing

1. Remove the leg fur.
2. Remove the old tubing from the leg core channel and discard.
3. Snap the new tubing into place, making sure that it is firmly seated in the channel. (**See figure 4.**) Make sure it isn’t pinched or kinked at any point, especially where it angles upward at the shoulder.
4. Unzip the body fur part way and feed the inlet tube through the right leg hole and out at the back of the face. Reattach the fur and all clamps and fittings.

Caring for the IV Leg

1. After each class, drain the “blood” and return it to the bottle for storage, tightly capped.
2. Flush the system thoroughly by running tap water through it into a sink or basin.
3. Open all clamps and drain excess water.
4. Avoid overfilling the bags or hanging them too high, as this will increase the pressure in the system, resulting in leaks.
5. Use only **Life/form®** Replacement Veins, as they are specially treated to be compatible with the leg core material.

Care of the Trainer

The body fur may be unzipped and removed for cleaning. Nasco recommends hand washing in cool water with a few drops of mild soap or detergent, rinse thoroughly, roll in a towel to remove excess water, then air dry. Gently brush fur if desired. A small amount of “shedding” is normal. The fur on the face and legs may be cleaned by rubbing with a damp cloth. *Do not immerse the dog in water. Never use cleaning fluids or solvents.*

Replacement Parts

LF01164U Disposable Nosepieces,
pkg. of 10

SB34966U Manikin Face Shields,
pkg. of 100

LF01158U Disposable Lower Airways,
pkg. of 10

LF01179U Replacement Veins,
pkg. of 3