



OFFICE OF LABORATORY ANIMAL CARE

Operating Guidelines

OG Number:	714	Telinject Dart & Needle Operation & Maintenance	Revision #:	0
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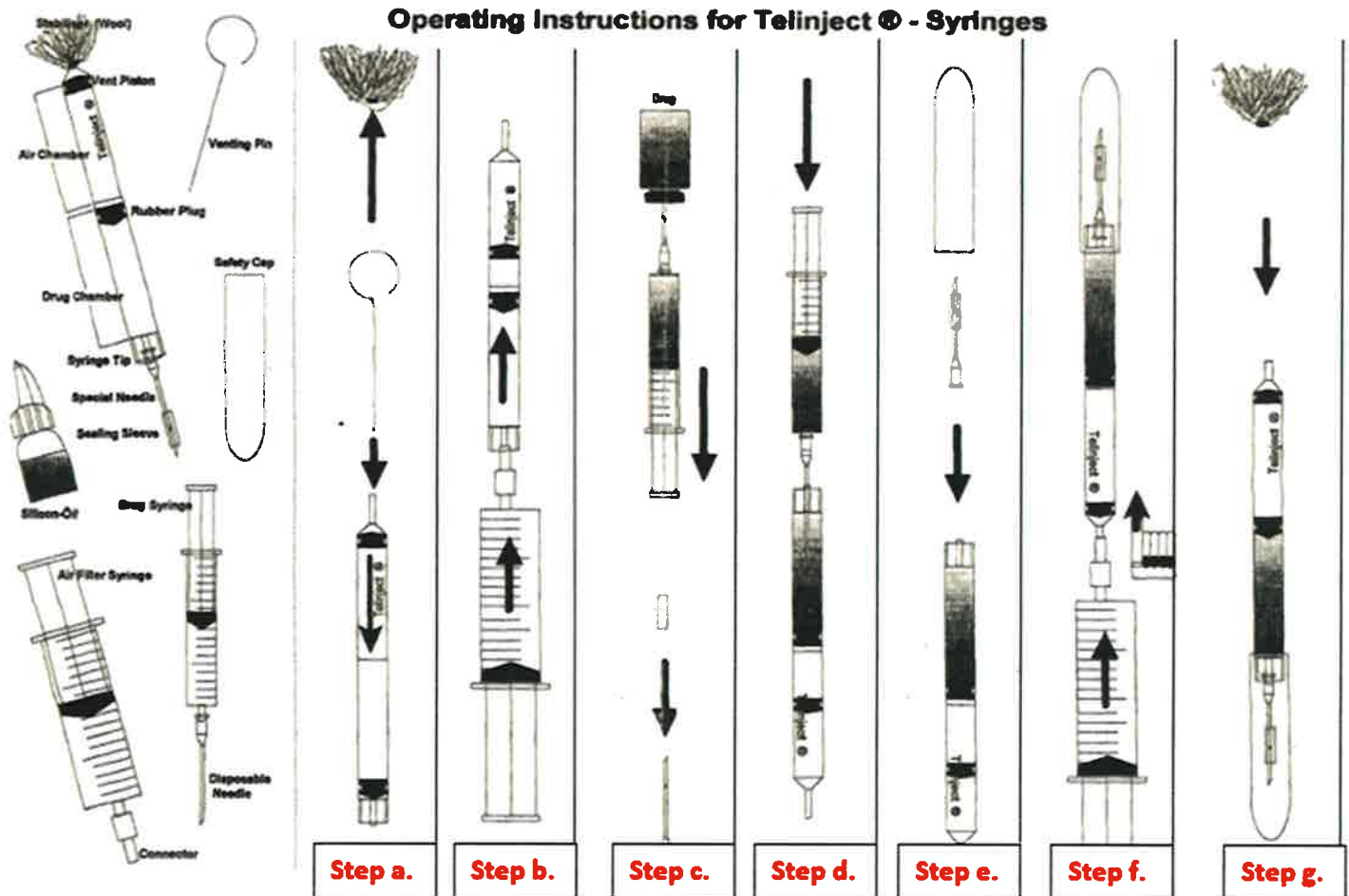
Procedures

1. Setup & Preparation:

a. Dart:

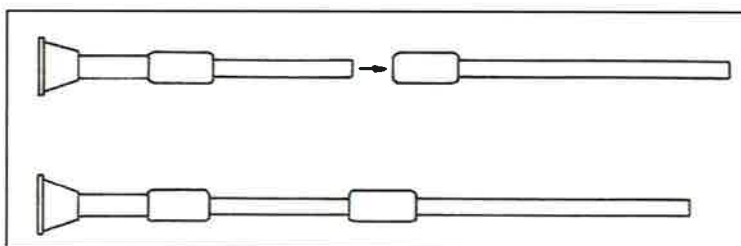
- Depressurize the air chamber with the venting pin; the gray rubber plug (vent piston) must be moving freely.
- The plunger in the drug chamber (black) must be at the bottom of the drug chamber to allow for filling.
 - If the plunger is not at the bottom, use the venting pin to push the plunger all the way down.
- Fill a 3mL syringe with the desired dose of drug and add sterile saline to make a total volume of 2.5mL.
- Transfer anesthetic drugs to the dart by slowly injecting the drug solution into the drug chamber using a needle placed into the opening of the drug chamber.
- Use hemostats to place the silicone sealing sleeve over the tip of the special needle so that it covers the hole on the side of the needle.
- Affix the special needle to the end of the drug chamber.
 - Place the safety cap over the needle when pressurizing the air chamber and during dart transport.
- Pressurize the air chamber using a 12mL syringe attached to the metal connector piece. Draw up at least 10mL air into the syringe before attaching to the air chamber.
 - Connect the air syringe via the metal piece into the end of the dart with the freely moving rubber plug (gray)
 - Inject as much air as possible into the air chamber, then detach the air syringe without allowing the plunger to backfill.

- Check that the dart is fully pressurized, if not then repeat the air injection process until it is.
- The dart is fully pressurized when the gray rubber plug does not move freely when the dart is inverted.
- Place the stabilizer (feather) on the end of the dart. The dart is now ready to be used.



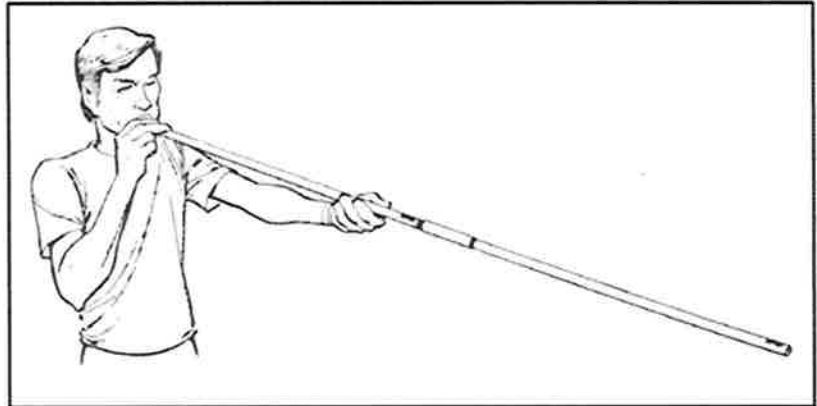
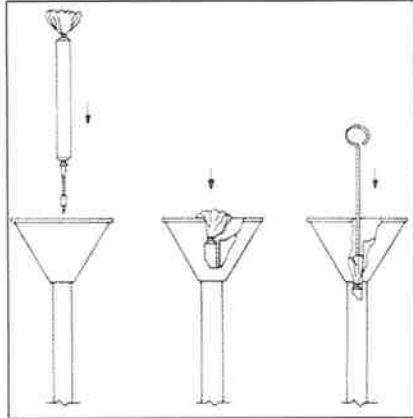
b. Blowpipe:

- Assemble the 2 pieces of the blowpipe together.
 - One has a mouthpiece and the other has the foam grip handle.
 - Slide the two poles into place & firmly attach together.



2. Operation:

- a. Insert prepared syringe into the mouthpiece end of the pole.
 - **Note:** The Stabilizer (feather end piece) should be the only portion of the dart visible when properly inserted into the pole.
- b. Place your dominant hand halfway down the pole onto the grip handle
- c. Support the mouthpiece with your other hand, and place your lips inside the inner rim of the mouthpiece.
- d. Take a deep breath and keep your lips inside the mouthpiece.
- e. Aim slightly higher than target

**REFERENCE DOCUMENTS**

- Maxi-ject Veterinary Blowpipe System instruction manual

REVISION HISTORY			
REVISION NUMBER	AUTHOR(S)	EFFECTIVE DATE	REVISION(S)