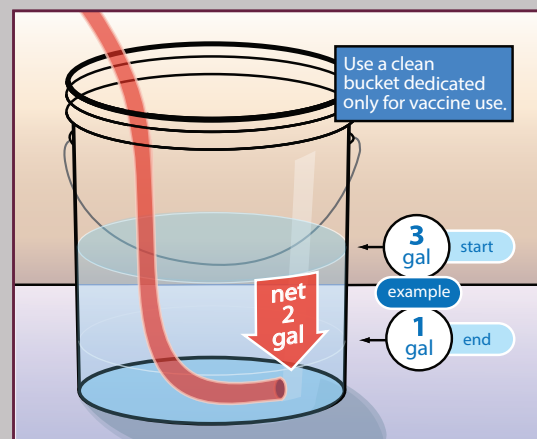




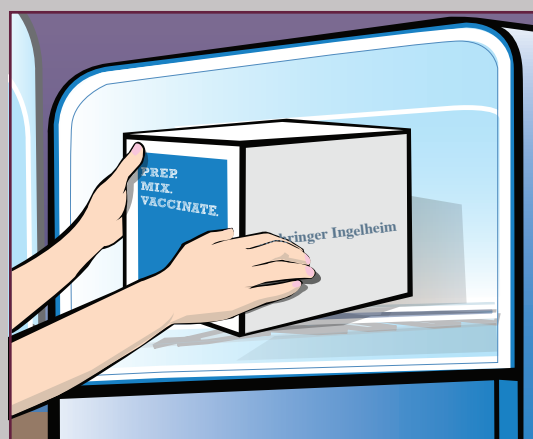
HANDLING AND ADMINISTRATION GUIDE FOR ULTRA FROZEN VACCINE

PREP



STEP 1

- The day prior to vaccination, determine the required volume of vaccination stock solution by measuring the volume of tap water passing through the proportioner in a 6 hour period.
- Do this during the same time of day and in the same group of pigs as planned for vaccination.



STEP 2

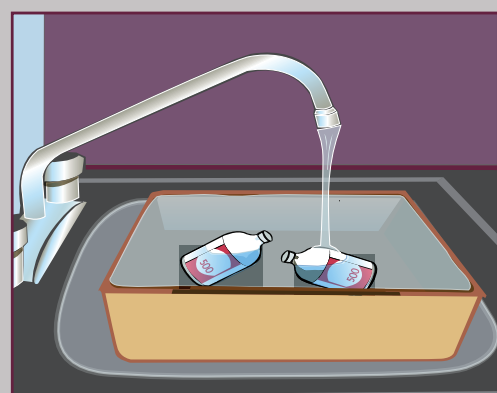
- Place entire package (cooler, frozen vaccine and dry ice) in the freezer.
- Use before dry ice is gone.
- If the entire package will not fit in the freezer, do not remove the product. Leave the product in the package under the dry ice and store in a cool place.



STEP 3

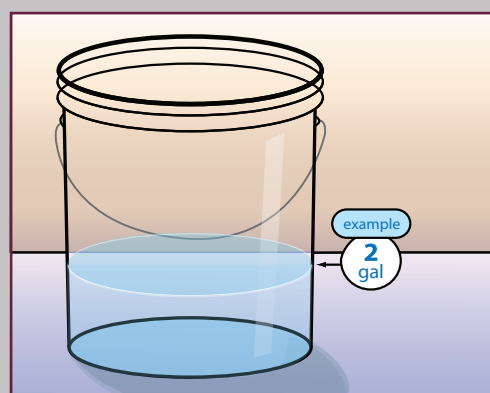
- Assure pigs do not receive antibiotic-medicated feed or water for a minimum of 7 days (3 days pre-vaccination, 1 day at vaccination, 3 days post-vaccination).
- A non-medicated week or longer post-vaccination is recommended.

MIX



STEP 4

- Thaw vaccine in a trickling cold water bath 45-60 minutes prior to planned vaccination.
- Turn off chlorinators, acidifiers and/or peroxide water treatment units.



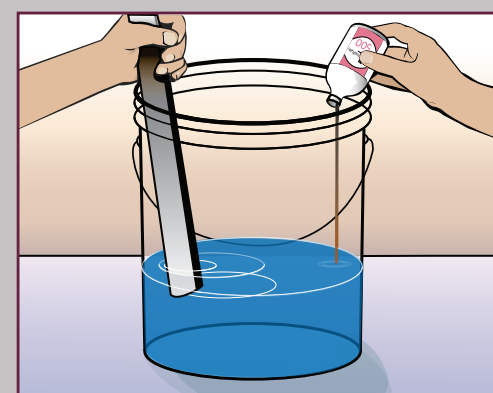
STEP 5

- Place the pre-measured amount of water into the stock solution container.



STEP 6

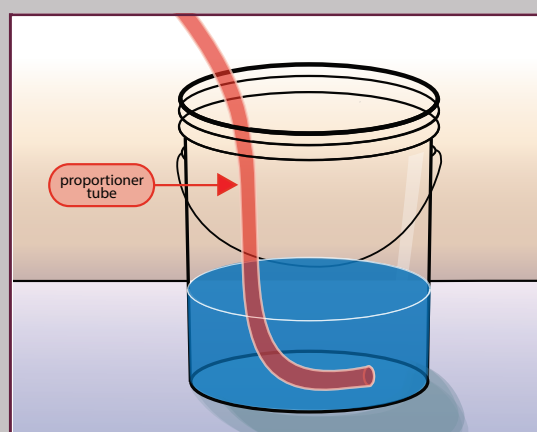
- Mix Reload Pack[®] DT (sodium thiosulfate) and blue dye into stock solution.
- Use 1 Reload Pack[®] DT for each gallon of stock solution.



STEP 7

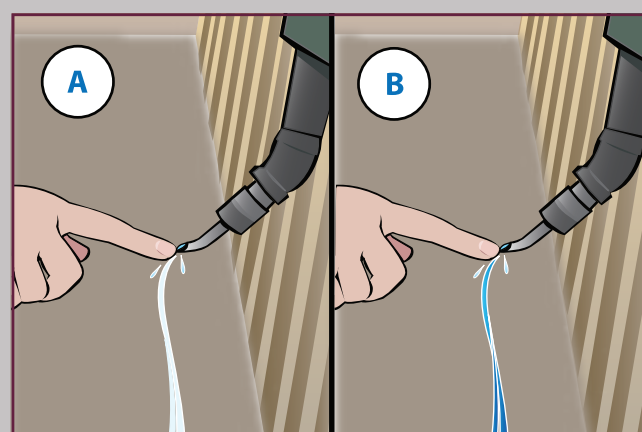
- Mix vaccine into stock solution.

VACCINATE



STEP 8

- Place proportioner draw tube so the end rests on the bottom of the stock solution container.



STEP 9

- Charge the main water distribution line with vaccine by bleeding water from pen drinkers (or spigot) at the end of barn farthest away from the proportioner.
- Wait for light blue water to appear.



Boehringer Ingelheim Animal Health USA Inc. offers a No-Fault Guarantee with all oral vaccines. Please contact your sales representative for more details.

