

Infusion of Antibiotics into the Udder

Materials

1. Antibiotic treatment tube
2. Alcohol swabs (70 % isopropanol)
3. Latex or nitrile gloves

Protocol

1. Antibiotics should be infused after a regular milking (udder and teats should be cleaned prior to milking).
2. Put on gloves to prevent bacteria on hands from infecting the cow.
3. Remove any debris from teat end and wipe.
4. Wait 5 seconds before infusion of antibiotic.
5. Insert the cannula (tip) of the infusion syringe only 1/8 inch into the teat canal and infuse antibiotic. (See note below.)
6. Withdraw syringe and massage udder while pinching the teat closed to distribute the medication.
7. Repeat for other quarters, as needed.
8. Dip teats.
9. Follow manufacturer's withholding specifications, and perform Delvo test to ensure milk is free of antibiotics before saving the milk.

Antibiotic infusion note

It is important to insert the cannula (tip) of the infusion syringe the minimal amount necessary to administer the antibiotic. If the entire length of the cannula is inserted, there is potential to damage the teat end/streak canal and to introduce pathogenic organisms.