

## PROPER HANDLING AND ADMINISTRATION OF CONTROLLED INTERNAL DRUG RELEASE (CIDR) FOR ESTRUS SYNCHRONIZATION

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**Table 1.** Proper handling and administration of controlled internal drug release (CIDR) for estrus synchronization.

1. Be sure to wear protective (e.g. latex) gloves when handling CIDR inserts.
2. The CIDR applicator should be rinsed in a disinfectant solution (Nolvasan or Chlorohexidine). There should be two buckets of rinse, each containing a disinfectant solution. The applicator should be washed free of debris in the first bucket and then rinsed clean in the second. By keeping the same washing sequence the disinfectant in the second bucket will remain relatively clean for a sustained period of time. This sequence of events will improve sanitation from animal to animal and reduce the likelihood of infection. When rinse solution becomes clouded with debris, replace with fresh solution.
3. If possible, use two CIDR applicators. Use one applicator at a time for CIDR insertion and rinse in the two bucket rinse method. Leave the most recently use applicator in the second bucket to give the disinfectant more time to sanitize the applicator while removing the other applicator to insert the next CIDR.
4. Fold the wings of the CIDR and insert it into a clean applicator. The CIDR will protrude approximately one inch from the applicator.
5. Apply medicated lube (Nolvalube) to the end of the applicator.
6. Shift the animal's tail to one side and wipe the vulva clean before inserting the applicator.
7. When inserting the CIDR make sure that the nylon tail is curved downward. If the tail is pointed upward it will be easier for other animals to pull out the CIDR thus reducing retention rate.
8. Open the lips of the vulva and gently insert the applicator containing the CIDR in an upward manner similar to the insertion of an AI catheter.
9. Insert the applicator as far forward as possible (until it comes in contact with the cervix of the animal), deposit the CIDR by depressing the plunger and slowly remove the applicator.
10. To prevent other animals from removing the CIDR, the nylon tail can be clipped such that only 2 ½ inches protrude from the vulva. This may be especially important for heifers maintained in dry-lot conditions.
11. Upon CIDR removal, gently but firmly pull on the nylon tail until it is removed. Be sure to dispose of the CIDR properly.
12. If a nylon tail is not visible at the time of CIDR removal, examine the cow or heifer to confirm that the CIDR was lost or that it has moved deeper into the animal to where the tail is no longer visible.

\*Refer to illustrations on the following page.

