1. PURPOSE

To terminate lactation and start the dry period.

2. RESPONSIBILITY

All designated permanent, casual and student staff.

3. MATERIAL

3.1 Teat dip
3.2 A box of rubber gloves
3.3 Stripping cup
3.4 California Mastitis Test® (CMT) : Diluted solution and paddle
3.5 Alcohol wipes
3.6 Novodry Plus®
3.7 Uddergold Dry®
3.8 Clean, empty creamer cup
3.9 Orbeseal® 65% bismuth subnitrate in a mineral oil vehicule
3.10 Enviracor J5® Escherichia coli bacterin J-5 strain
3.11 20g 1” needle
3.12 5cc syringe
3.13 Halter
3.14 Livestock crayon
3.15 DRY card

The following do not apply at dry off;

3.16 Muse®
3.17 Selenium tocopherol
3.18 Vitamins AD-500® vitamins A&D
3.19 18g 1 ½” needle
3.20 10cc syringe

4. PROCEDURES

4.1 The Lead Technician or Barn Manager will determine when a cow is due to be dried off.

4.2 This should be done IMMEDIATELY after morning (or noon) milking and before she has chance to lie down. The cow must be emptied of any milk before starting.

4.3 Check the Observation Sheet on the milk cart to see if she had shown signs of clinical mastitis in recent milking.

4.4 For any suspected cases of infection, perform a California Mastitis Test®.

4.4.1 Positive quarters: Consult with the Farm Manager for corrective action. (Usually treated with 2 tubes of Novodry Plus).
4.4.2 All quarters that have been tested negative are treated with 1 tube of Novodry Plus ® (Intra mammary infusion).

4.5 Attach the cow’s tail tie to an overhead bar so it does not interfere with your work.

4.6 Wearing clean gloves, strip out each quarter until the udder is empty.

4.7 Change your gloves.

4.8 Starting with the teat furthest away, thoroughly clean the teat end and surrounding area with an alcohol swab, moving to clean areas of the swab.

4.9 Carefully remove the cap from the Novodry Plus® nozzle, ensuring it doesn’t come into contact with anything.

4.10 Without touching the teat end with your gloves, insert only the tip of the nozzle (¼ of the way) into the teat.

4.11 Once the tube has been emptied, leave it in the teat and gently squeeze the infusion up the teat canal with your free hand.

**IMPORTANT**

- Never push the nozzle all the way into the teat because you risk damaging the teat canal if the cow moves a lot.

4.12 Proceed with the other quarters, using a new alcohol swab before inserting the Novodry Plus to each teat, finishing with the teat closest to you.

4.13 Massage the udder especially at the base, close to the teat.

4.14 Change your gloves again.

4.15 Starting with the teat furthest away, thoroughly clean the teat end and surrounding area with an alcohol swab, moving to clean areas of the swab.

4.16 Carefully remove the cap from the Orbeseal® (sealant) nozzle, making sure it doesn’t come into contact with anything.

4.17 Without touching the teat end with your gloves, infuse 1 tube of OrbeSeal® by inserting only the tip of nozzle (¼ of the way) into the teat.

**IMPORTANT**

- Never push the nozzle all the way into the teat because you risk damaging the teat canal if the cow moves a lot.
- Never push the sealant up into the canal. It is meant to plug the teat end only.

4.18 Wearing the same gloves, fill ¾ of the plastic cup with the Udder Gold sealant.

4.19 Dip the teats, covering as high up the teat as you can get. Just covering the end is not sufficient.

4.20 Using a livestock crayon, write “DRY” on both sides of the rump in large letters and a large “X” on both hind legs.

4.21 Place a “DRY” card label above the cow.

4.22 Detach the cow’s tail.

4.23 Using a halter, restrain the cow’s head very securely.

4.24 Administer 5cc Enviracor J5® subcutaneously in the neck.

4.25 Record all treatments in the Treatment Book (vaccinations and CMT results, even if all 4 quarters were negative. Be sure to indicate if more than 1 tube of Novodry Plus® was necessary for any of the quarters)

4.26 Return all materials to their designated places in the refrigerator, cupboard or shelves.
4.27 Put needles in the SHARPS container, dispose of the empty Novodry Plus® and Orbeseal tubes in the BIO WASTE box.

4.28 If used, Wash stripping cup and CMT paddle in hot soapy water, dry and store.

**Document Status and Revision History**

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