1. PURPOSE

To provide proper health care to a newborn calf. This will give the calf the best start at a long, healthy, productive life.

2. RESPONSIBILITY

2.1 Farm staff
2.2 Lead Technician
2.3 Dairy Manager

3. MATERIALS

3.1 Navel dip (iodine based)
3.2 Towels
3.3 Calf coat
3.4 Ear tags
3.5 First Defense and applicator
3.6 Treatment book
3.7 Weigh scale or weight tape
3.8 Colostrum
3.9 Gloves
3.10 MuSe® or equivalent (e.g. Dystocel, Selon-E)

4. PROCEDURE

4.1 Make sure the mom cow will allow you to get close to the calf

4.2 HEALTH MONITORING:

4.2.1 Breathing:

4.2.1.1 Aspiration of amniotic fluid: If you suspect the calf has aspirated amniotic fluid,

4.2.1.1.1 Gently pull the calf up by the hind legs to allow the fluid to drain from the mouth and nose.

4.2.1.2 Clean the afterbirth from nose and mouth

4.2.2 Lethargy: Massage the calf’s abdomen with clean straw or towel.

4.2.2.1 Pour a handful of clean water into its ear. The calf should react by shaking its head.

4.3 GROOMING:

4.3.1 Allow the mother to clean off (licking) her calf.

4.3.2 If the cow does not get up, drag the calf in front of her to clean her calf.

4.3.3 If the cow is no longer interested in cleaning her calf and the calf is still wet, use clean towels to dry the calf. This is especially important on cold days.
4.4 TEMPERATURE:

* IMPORTANT
Newborn calves must be kept warm to conserve energy

4.4.1 Cover the calf with a coat on cold days.
   4.4.1.1 NOTE: You may need to replace the coat several hours later if it’s wet on the inside
   4.4.1.2 If the calf continues to shiver, cover with blankets.

4.5 Once the cow is no longer tending to her calf:
   4.5.1 Don gloves and spray the entire surface of the calf’s navel with iodine-based navel dip.

4.6 Determine the gender of the animal:
   4.6.1 Lift the calf’s tail and check the genitalia
   4.6.2 Males have a scrotum containing testicles and a sheath containing a penis, located near the belly. It is possible to confuse the umbilical cord for a penis, so you should focus on locating the testicles.
   4.6.3 Females have a vulva, located closer to the tail. The best way to tell if the calf is a female is to note the absence of testicles.

4.7 Tag the calf as per SOP DC-503.1 Calf Identification. Note: bull and heifer calves have a different sequence of tag numbers.

4.8 Log the calving in the “Debut de lactation” section of the treatment log. Include the calf’s tag number

4.9 PURE-BRED HEIFER CALVES ONLY
   4.9.1 Administer a First Defense bolus orally. Record in the treatment log.
   4.9.2 Administer 1/2cc MuSe intramuscularly (IM). Record in the treatment log and in Heifer Calf vaccination record sheet (on the pin board in the dairy office).

4.10 FEEDING: Feed colostrum within 2 hours of birth if possible.
   4.10.1 Prepare colostrum as per SOP DC-501.1 Colostrum Management.
   4.10.2 Calves are most receptive to being bottle fed within the first few hours after birth. If the calf refuses to drink, then tube-feed as per SOP DC-506 Tube Feeding a Calf.
   4.10.3 Listen for any raspy breathing or coughing during feeding. Notify the dairy herd supervisor or lead technician. Treatment may be required.
   4.10.4 Calves born overnight, who are dry and active, may have already drunk colostrum from their mother. Offer colostrum. If they do not drink it, advise the dairy herd supervisor or lead technician.

4.11 HOUSING:
   4.11.1 Prepare a pen in the calf barn for the newborn, as per SOP DC-209 Calf Pen Sanitation.
   4.11.2 Don Latex gloves and spray the entire surface of the calf’s navel with iodine based navel dip.
   4.11.3 Transfer the calf to the calf barn by either carrying it in the calf cart or by picking up the calf and carrying manually.
   4.11.4 Weigh the calf on the scale or with weight tape before placing it in the pen. Record the weight in the treatment log.
4.12 STILL BORN CALVES:

4.12.1 Tag with a bull calf tag and record.

4.12.2 Place the carcass in a bag and seal with duct tape.

4.12.3 Transfer to the walk-in freezer.

4.12.4 Record the calving in the “Debut de Lactation” section of the treatment log.

**Document Status and Revision History**

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<th>PREVIOUS VERSION</th>
<th>NEW VERSION</th>
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<td>9-April-2019</td>
<td>New</td>
<td>MacDonald Campus FACC approved</td>
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