**SOP #3 – Milking Cattle with Abnormal or Treated Milk (Robot - DeLaval)**

*(Questions FS25/FS26, July 2023 Reference Manual page 12-3. All shaded areas are required elements of your SOP. You may use your own words to communicate the same intent.)*

Purpose: Prevent abnormal milk from entering the human food supply. Prevent residues from entering the human food supply. Provide staff with clear directions how to enter data in the computer to keep treated milk out of the bulk tank and how staff can access treated cattle information.

* AMS system automatically cleans teats with warm water and then dries by vacuum.
* AMS system attaches milking unit carefully to prevent excess air entering unit and aligns milk hoses parallel to the cow.
* After automatic take off has removed milking unit, teats are then sprayed with post-milking teat dip.
* Ensure that milk from treated cows does not enter the bulk tank.
* Treated cows are are identified by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Discard milk from quarters that have abnormal milk (mastitis, blood, off-smell, off-colour etc).
* Fresh cows and heifers are to be milked into the bucket for 72 hours (3 days) after calving (colostrum).
  + Upon entering freshening date into AMS software, confirm the milk will be diverted for the appropriate time (especially if using Cefi-Dri)
* Discard milk from all quarters from a treated animal.
* Check the treatment records (Record 10) to ensure a treated animal has met the appropriate withdrawal time for milk before shipping her milk.
* When an animal calves, check treatment record (Record 10) to make sure the withdrawal times for any dry cow treatments have been met before shipping milk.
* Refer to SOP #5 – Treating Cattle, to know how to check fresh and treated cow dates and the appropriate dates for the bulk tank.
* When purchasing new animals, we test milk and record the results OR obtain a letter of guarantee to ensure withdrawals are met before shipping the milk.
* The AMS checks for abnormal milk by: measuring blood level, conductivity, MDi, etc.
* The AMS automatically rinses with water after milking a treated and/or fresh cow.
* If a cow needs to be manually milked by AMS, follow these instructions:
  + Select MANUAL
  + Select PREPARE
    - Clean teats manually
    - Release cleaner
    - Start (repeat for all milking quarters)
* Select MILK
* Place individual cups for corresponding teats
* Disinfect
* Backflush
* Release Cow
* Mode
* Auto or leave in manual if needed
* Spray teats with post-milking teat dip (ensure lower 2/3 of teat covered).