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Operator Introduction Milking Procedures

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Objective

-  In this module, we will identify and define milking procedures.

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Overview

 Operator procedures can be organized in the following categories:

- ❶ Pre-milking procedures
 - ✓ Sanitation
 - ✓ Stimulation
 - ✓ Foremilking/milk inspection
 - ✓ Proper cleaning and drying
- ❷ Cluster management
 - ✓ Attachment
 - ✓ Alignment/adjustment
 - ✓ Removal
- ❸ Post-milking procedures
 - ✓ Sanitation

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Pre-Milking Procedures

1. Clean and sanitize the teats.
 - ❶ Goal: clean and sanitize the teats before the milking unit is attached.
 - ❷ Physically removes soils such as manure and bedding.
 - ❸ When sanitizing, a germicide is used to kill bacteria on the teat skin.



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Pre-Milking Procedures

2. Foremilking

- ❶ Goal 1: Remove a small amount of milk from each teat.
 - ✓ Aids in stimulation and milk letdown.
 - ✓ Flushes bacteria from teat canal.
- ❷ Goal 2: Examine foremilk for abnormalities.
 - ✓ Color and texture (clots and flakes).
 - ✓ Signs of clinical mastitis.



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Pre-Milking Procedures

3. Dry teats.

- ❶ Goal: removes sanitizers, moisture, debris and bacteria from teats.
- ❷ Use a clean, individual towel to Completely dry the teats prior to milking.
- ❸ Wiping should not begin sooner than 30 seconds after disinfectant has been worked onto the skin surface of the teats.



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Pre-Milking Procedures

📋 Review of procedures and processes

1. Clean and sanitize the teats prior to milking to kill bacteria on the teat skin.
2. Strip foremilk from each teat to aid in stimulation and to flush bacteria from the teats.
3. Examine foremilk for abnormalities.
4. Completely dry the teats prior to milking using a clean, individual towel.

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Pre-Milking Procedures

📋 How long does pre-milking take?

1. Dry or wet wiping the teats and udders
 - ✓ 5 to 30 seconds (depending on the cleanliness of the udders)
2. Applying pre-dip or disinfectant
 - ✓ 3 to 6 seconds (depending on the pre-dip device)
3. Stripping foremilk
 - ✓ 5 to 10 seconds (depending on the visual assessment)
4. Drying/cleaning teats and udders
 - ✓ 5 to 20 seconds (depending on the cleanliness of the udders)

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Cluster Management

🐄 Attach the milking cluster 60 to 90 seconds after the start of manual stimulation.

🐄 Align the cluster with the udder for even weight distribution.

- ❶ Properly support the long milk hoses.



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Cluster Management

🐄 Remove the milking cluster upon completion of milking.

- ❶ Avoid overmilking.
- ❷ Shut off vacuum prior to removal.

🐄 Cluster removal may be done manually or automatically.



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Post-Milking Procedures

🐄 Sanitation

- ❶ Sanitizer should be applied to the entire surface of all teats.
- ❷ Post-dipping is necessary after each milking to control contagious mastitis.



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Summary

- 🐄 Follow proper pre-milking procedures.
 1. Sanitation
 2. Stimulation
 3. Foremilking/milk inspection
 4. Cleaning and drying
- 🐄 Manage the milking cluster.
 1. Attach
 2. Align
 3. Remove
- 🐄 Follow proper post-milking procedures.
 1. Post-milking sanitation (post-dip)
- 🐄 The ultimate goal of the pre-milking procedures is to provide the operator with the opportunity to attach the milking unit to clean, dry, and well stimulated teats.

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