CATCH MASTITIS EARLY!

BY IMPLEMENTING STRING SAMPLING INTO YOUR HERD MANAGEMENT SYSTEM

STRING SAMPLING

- String Sample regularly to prevent loss
- Use String Sampling as a diagnostic tool to complement your farm Quality System
- Monitor pen somatic cell count
- Facilitate the identification of mastitis causing pathogens

HAPPY COWS=HEALTHY COWS=BETTER MILK

LOSSES PER COW IN HERD

WHY RISK IT?

- Extra Labor: $7.36, 1%
- Culling & Replacement Cost: $107, 20%
- Discarded Milk: $151, 28%
- Treatment: $1.14, 1%
- Veterinary Services: $2.72, 1%
- Mastitis Prevention: $148, 27%
- Production Reduced Due to Mastitis: $121, 22%
- TOTAL=$538 (losses per cow/per year)

Source of the information is courtesy of Dr. Pam Ruegg Michigan State University

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**Direct Load Application**

- **MILK**

**Installed via a QualiTru TruStream Sanitary Port** on the “positive pressure” side of the milking system, after the parlor and before the balance tank. Can also be installed to diagnose possible system contamination from the parlor to the storage tank.

- **System Diagnostic**
  - Isolate your system from the parlor to the sock filters to identify key segments of your system and to verify the system CIP cycle. Can be used for troubleshooting quality and cleaning issues when installed in a series.

**Direct Load**

- Install a QualiTru TruStream Sanitary Port, either elbow or straight; we recommend it be installed as close to the chiller outlet as possible.
- Refrigerator and peristaltic pump should be located as close to the QualiTru Sanitary Port as possible. Samples can be used for regulatory and quality.

**Peristaltic Pump**

The peristaltic pump is the key to a controlled sample volume of milk that is collected into the QualiTru Sterile Collection Bags. Since the sampling system is a constant flow, you get a complete representative sample of all milk that flows by, for the most dependable regulatory and quality sample available on the market today.

**Line Sampling**

Installed via a QualiTru TruStream Sanitary Port at any point throughout your process as part of a diagnostic function, system quality check, CIP cleanliness check, and overall milk quality samples. Used at the back side of your receiver jar, this provides an efficient location to collect your string samples.

**For Appendix N Sampling**

of the Milk Tanker Truck (PMO Appendix N) Sampling at the processing plant via the Side Sampler, providing a safer physical sampling environment for certified samplers.

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**BUILD YOUR OWN STRING SAMPLING KIT**

*WITH 1 OF EACH OF THESE 4 PRODUCTS:*

- **PN: 213029** (Shown above) Stainless Steel Ports
  - (Multiple sizes from 1” - 4” and custom ports available.)
- **PN: 110011** 7-Channel Septa
- **PN: 111770** Sterile Collection Bag
- **PN: 500200** Portable Peristaltic Pump
  - (shown with bag)

**STRING SAMPLING SITE**

**CATCH MASTITIS WHILE IT IS STILL SUB-CLINICAL**

- **Cow**
- **Receiver**
- **String Sampling**

**APPLICATION SITES**

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