



SCC DIAGNOSTICS TOOL BOX



W-MR-1: Procedure Analysis – Cow Prep, Milking Routine, Time/Motion and Environment Data Collection

Cow Prep Analysis:

Teat Wash Method	Pre-dip Method	Teat Dry Method
<input type="checkbox"/> None	<input type="checkbox"/> None	<input type="checkbox"/> None
<input type="checkbox"/> Dry wipe, separate towel	<input type="checkbox"/> Dip	<input type="checkbox"/> Separate paper towel
<input type="checkbox"/> Separate towel & sanitizer	<input type="checkbox"/> Spray	<input type="checkbox"/> Separate cloth towel
<input type="checkbox"/> Sanitizer-impregnated towel (e.g., Sani-Wipe)	<input type="checkbox"/> "One-step prep"	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Common rag or sponge	<input type="checkbox"/> Other: _____	Comment on completeness of teat drying: _____
<input type="checkbox"/> Drop hose & water	Product used: _____	_____
<input type="checkbox"/> Drop hose & sanitizer	used: _____	_____
<input type="checkbox"/> Other: _____	Comment on pre-dip coverage: _____	_____
Comment on teat wash method: _____	_____	Forestripping Yes / No
_____	_____	Machine stripping Yes / No
_____	_____	Quarter milking Yes / No
_____	_____	Vacuum shut off Yes / No
_____	_____	Automatic Takeoff Yes / No
_____	_____	Udder hair removed Yes / No

Teat End Swab Test		
No. of teats swabbed	No. of dirty teat ends	% dirty teat ends

See [F-MR-2: Teat End Swab Test](#)

Summary of Time/Motion Analysis

Average prep time
(wash, forestrip) _____

Average prep lag time
(start prep to unit attachment) _____

Average machine-on time _____

Average milk flow _____

Average time to load parlor _____

Average turns per hour _____

Average cows per hour _____

GOAL

10-20 sec (initial teat stimulation)

60-120 sec

Variable depending on production

4-6 lb/min

Depends on parlor size

Environment Analysis:

Type of Bedding Sample

- | | |
|--|--|
| <input type="checkbox"/> Paper | <input type="checkbox"/> Wood shavings |
| <input type="checkbox"/> Long straw | <input type="checkbox"/> Washed sand |
| <input type="checkbox"/> Chopped straw | <input type="checkbox"/> Sand |
| <input type="checkbox"/> Corn stalks | <input type="checkbox"/> Sunflower hulls |
| <input type="checkbox"/> Wood sawdust | <input type="checkbox"/> Other: _____ |

Frequency of Bedding Change

- | | |
|---|---|
| <input type="checkbox"/> Every 24 hours | <input type="checkbox"/> 1x per week |
| <input type="checkbox"/> 48 hours | <input type="checkbox"/> Every other week |
| <input type="checkbox"/> 72 hours | <input type="checkbox"/> 1x per month |
| | <input type="checkbox"/> Other: _____ |

Frequency of Cleaning Stall or Pen

- | | |
|---|---|
| <input type="checkbox"/> Every milking | <input type="checkbox"/> 1x per week |
| <input type="checkbox"/> Every 24 hours | <input type="checkbox"/> Every other week |
| <input type="checkbox"/> 48 hours | <input type="checkbox"/> 1x per month |
| <input type="checkbox"/> 72 hours | <input type="checkbox"/> Other: _____ |

Frequency of Cleaning Barn or Scrapping Alleys

- | | |
|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> 1x per day | <input type="checkbox"/> 3x per day |
| <input type="checkbox"/> 2x per day | <input type="checkbox"/> Other: _____ |

Summary of cow cleanliness: _____

See [W-AH-1: Cow Hygiene Scorecard](#)

Summary of udder and teat condition: _____

See [W-MP-3: Teat End Condition Scorecard \(1-5 scoring scale\)](#) or
[W-MP-4: Teat End Condition Scoring \(Neijenhuis System\)](#)

Summary of lot and/or holding pen conditions: _____

