A low somatic cell count (SCC) can have a significant positive impact on your bottom line. Take a proactive approach to lower the therapeutic use of antibiotics on your farm and make management changes that will reduce the prevalence of mastitis causing organisms. Work with your veterinarian to establish the appropriate treatment protocol for your herd.

CONVENIENT – Under the right conditions, this test can be done on the same preserved milk samples collected on test day for routine DHI (SCC and components) analysis.

RELIABLE – Polymerase Chain Reaction (PCR) technology is employed to detect strains of bacteria. PCR is a process that replicates DNA to quickly and positively identify pathogens, living or dead.

FAST – Once samples are received, results are available in two business days or less. May be longer if laboratory volumes are high.

FLEXIBLE – Work with your veterinarian to develop a testing strategy that works best for your herd. Select specific groups or pens of cows, or identify individual animals based on history and SCC thresholds. Producers have the option to send one milk sample from an individual cow or pool samples from multiple cows to determine which organisms are most prevalent.

TARGETED – Identify the probable cause of infection. Easy Mastitis Test is available in two versions: Contagious Panel and Complete Panel.

CONTAGIOUS PANEL – Identifies the presence of major mastitis pathogens commonly referred to as the “contagious pathogens”:

1. Staphylococcus aureus
2. Streptococcus agalactiae
3. Mycoplasma bovis
4. Mycoplasma species

COMPLETE PANEL – Is useful if you suspect environmental pathogens. Identifies the following:

1. Staphylococcus aureus
2. Staphylococcus spp. (including all major coagulase-negative staphylococci)
3. Streptococcus agalactiae
4. Streptococcus dysgalactiae
5. Streptococcus uberis
6. Escherichia coli
7. Enterococcus spp. (including E. faecalis and E. faecium)
8. Klebsiella spp. (including K. oxytoca and K. pneumoniae)
9. Staphylococcal ß-lactamase gene (penicillin resistance gene)
10. Mycoplasma bovis
11. Mycoplasma spp.

Results from the Complete Panel test can be challenging to interpret. These pathogens can be present in the environment and may or may not be a cause of infection. The report cannot tell you with certainty if the pathogen came from within the udder or if it was simply an external contaminant. Though this test can be conducted on preserved DHI test day samples, aseptic samples are recommended to minimize the presence of external contaminants.
KEY POINTS – Easy Mastitis Test does not replace traditional bacterial cultures. It is intended to be used as a screen. Aseptically collected bacterial cultures are recommended to verify positive Easy Mastitis Test pathogen results. Use this combination of test methods to most effectively pinpoint the source of udder health problems.

For best results, work with your veterinarian to devise an udder health management plan and make decisions that will reduce the prevalence of mastitis causing organisms while establishing the appropriate treatment protocol for your herd. Contact your Field Technician to ask about submitting Easy Mastitis Test samples on test day.

SUBMITTING A SAMPLE – Easy Mastitis Test samples can be submitted any time during the month. For additional information and to order collection kits and sampling instructions, contact:

AgSource Laboratories – Menomonie
Phone: 715-235-1128
menomonie@agsource.com

ASEPTIC BACTERIAL CULTURES – AgSource Laboratories, located in Marshfield, Wis. offers aseptic cow and bulk tank cultures for a variety of pathogens, as well as testing of pasteurized milk, bedding towels and most other substances found on your dairy. For additional information and to order collection kits and sampling instructions, contact:

AgSource Laboratories – Marshfield
Phone: 715-898-1402
marshfield@agsource.com

Testing Options

<table>
<thead>
<tr>
<th>Available Option</th>
<th>Aseptic Sample</th>
<th>Aseptic Follow Up Test (SCC&gt;X)</th>
<th>DHI Test Day Sample</th>
<th>DHI Follow Up Test (SCC&gt;X)</th>
<th>Pooled Aseptic Milk Sample</th>
<th>Pooled DHI Test Day Sample</th>
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<tbody>
<tr>
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(✓ indicates option offered, NR indicates option offered but not recommended, X indicates option not offered)