

Mastitis can't wait.



and neither should you.... Spectrum® MS is a breakthrough, cost effective culture solution for the rapid diagnosis of bacterial mastitis* both in the clinic and on the farm.

- In-clinic results in just 18-24 hours.
- Economical at less than 7.00 per plate.
- Available as quad plate with Gram selective chromogenic, TSA w/5% blood, and Staphylococcus selective agars.
- The Spectrum® CS kit includes all plates and accessories for identification and gold standard antibiotic susceptibility testing.
- Individually wrapped plates for extended shelf life.
- Color laminated interpretation chart free with first order.

**For those bacteria for which the product has been validated.*



Spectrum® MS Product Information
(See package insert for complete instructions.)

Intended Use: With mastitis resulting in nearly 2 billion dollars annually in dairy industry losses, early detection and treatment is the key to successful management. Spectrum® MS is an advanced, easy to use chromogenic culture system that may be used in conjunction with traditional methods to aid in the presumptive identification of the pathogens most commonly associated with Bovine Mastitis.

Product Features: Spectrum® agar has been formulated to grow specifically pigmented colonies when inoculated with those organisms for which the product has been validated. Each organism can then be visually differentiated on the basis of color and colony morphology. Depending upon the organism, color reactions may be either genus- or species-specific.

The Spectrum® MS system utilizes a 4-section plate with selective Gram positive and negative chromogenic medias, TSA w/5% sheep blood, and selective Staphylococcus agars.

Storage and Shelf Life: Spectrum® agar plates are packaged individually for extended shelf life. Plates should be stored at 2°-8° C (40°-46° F). Do not freeze.

Summary of Procedure: Prior to collection, clean and sanitize affected quarters. Strip each teat 2-3 times before dispensing milk sample into a sterile container. Inoculate each Spectrum® plate using established aseptic technique and place in a 37° C incubator. After 18-24 hours, inspect the plate for bacterial growth and note the color and morphology of the resulting colonies. For accurate results, plates should be evaluated no later than 24 hours post inoculation. Prolonged incubation may alter the specific color reactions affecting interpretation.

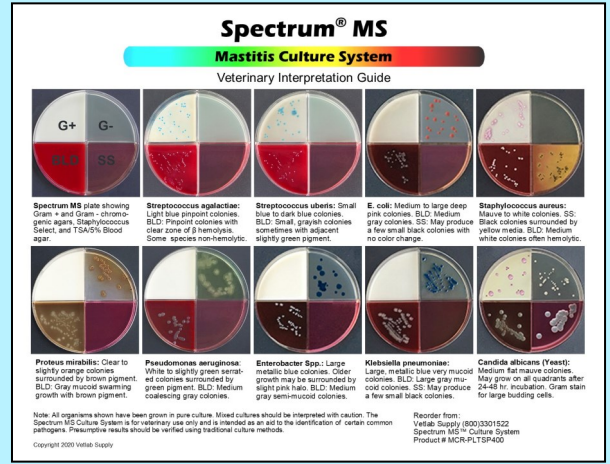
Interpretation: The following organisms have demonstrated specific color reactions when grown on Spectrum® agar:

- | | |
|--------------------------|------------------------|
| Streptococcus agalactiae | Pseudomonas aeruginosa |
| Streptococcus uberis | Enterobacter Spp. |
| E. coli | Klebsiella pneumoniae |
| Staphylococcus aureus | Candida albicans |
| Proteus mirabilis | |

The illustrated color reactions were obtained using organisms grown in pure culture. Mixed cultures should be carefully interpreted. Please review full package insert for additional aids to identification. Presumptive and/or questionable results should be verified using traditional culture methods or sent to a qualified microbiology laboratory.

Antibiotic Susceptibility Testing: Organisms for susceptibility testing may be harvested directly from the Spectrum® agar plate. The Spectrum® CS kit contains all materials required for testing via the Kirby-Bauer disc diffusion method. Alternatively, specimens can be submitted to a reference laboratory for MIC analysis.

Packaging: Spectrum® MS comes packaged as 10 individually wrapped plates per box. The Spectrum® CS kit contains 5 each of Spectrum® MS and Mueller Hinton plates plus accessories for preparing standardized suspensions for susceptibility testing.



Full color laminated interpretation guide provided free with first order.



New and refurbished incubators tailored to your test volume and budget.

Ordering Information:

- PLTSP400 Spectrum® MS Culture System 10 Plates/Box
- PLTSP500 Spectrum® CS complete system for identification and antibiotic susceptibility(5 test)
- EQGLB2850 Disposable 10 ul Calibrated Inoculating Loop 100/Pkg.
- CONTST5912 Sterile specimen containers 100/Pkg.

Spectrum® products are manufactured and distributed exclusively by:

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