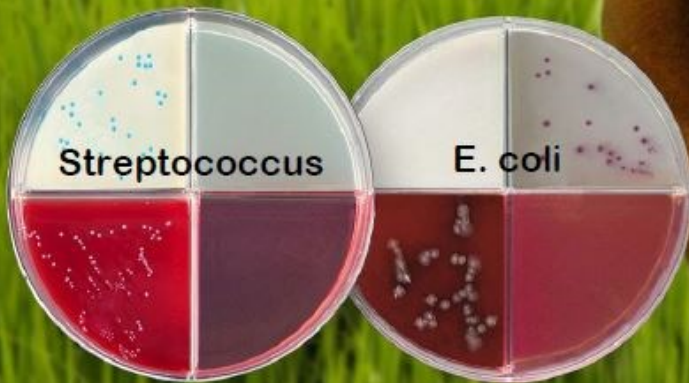


The Spectrum In-Clinic System

The New Standard
in Uterine Culture



Spectrum® is an advanced culture medium formulated with special chromogens selected to produce uniquely pigmented colonies. Color reaction and morphology provide the basis for identification of many common organisms.*

- In-clinic results in just 18-24 hours.
- Economical at less than 7.00 per plate.
- Available as quad plate with Gram selective chromogenic, Blood agar, and Staphylococcus selective medias.
- 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 provided free with first order.

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



Spectrum® IV Product Information

(See package insert for complete instructions.)

Intended Use: Spectrum® IV is an advanced chromogenic culture system that can be used in conjunction with traditional methods to aid in presumptive identification of many common bacterial organisms known to cause disease in animals. Spectrum® IV can facilitate the diagnosis and management of equine metritis, urinary tract infection in dogs and cats, bovine mastitis, and other frequently encountered bacterial conditions, Spectrum® agar products are intended for veterinary use only.

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.

Spectrum® IV consists of a 4 section plate with selective Gram positive and negative chromogenic medias, TSA w/5% sheep blood, and selective Staphylococcus agar.

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: 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:

E. coli	Staphylococcus aureus
Enterococcus spp.	Streptococcus spp.
Klebsiella pneumoniae	(Hemolytic and Non-Hemolytic)
Enterobacter spp.	Candida albicans
Proteus mirabilis	
Pseudomonas aeruginosa	

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. As an alternative, specimens can be submitted to a reference laboratory for MIC analysis.

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

Spectrum® CS/Spectrum® IV

Culture and Sensitivity System

Veterinary Interpretation Guide

Spectrum IV plate showing Gram + and Gram - chromogenic agars, Staphylococcus Select, and TSA/5% Blood agar.

Enterobacter spp: Large metallic blue colonies. May be surrounded by slight pink halo.

Enterococcus: Turquoise to blue small colonies. Some species may produce black colonies on SS agar with or without yellow background.

E. coli: Medium to large deep pink colonies. Some species may produce black colonies on SS agar with no media color change.

Klebsiella pneumoniae: Medium to large, metallic blue mucoid colonies. May produce black colonies on SS agar with no color change.

Proteus mirabilis: Slightly orange colonies surrounded by brown pigment. TSA/Blood: Gray mucoid swarming growth with diffusing brown pigment.

Pseudomonas aeruginosa: White to slightly green serrated colonies with some diffusion of green pigment into media.

Grp. B Streptococcus: Light blue pinpoint colonies. TSA/Blood: Pinpoint colonies and/or zone of beta-hemolysis. Some species non-hemolytic.

Staphylococcus aureus: Mauve to white colonies. Some species very light yellow. SS: Black colonies surrounded by yellow media.

Candida albicans (Yeast): Medium fat mauve colonies. May grow on all quadrants after 24-48 hr. incubation. Gram stain for large budding cells.

Note: All organisms shown have been grown in pure culture. Mixed cultures should be interpreted with caution. The Spectrum® CS Culture System and Spectrum® IV plate are for veterinary use only and is intended as an aid to the identification of certain common pathogens. Presumptive results should be verified using traditional culture methods.

Reorder from: Vetlab Supply (800)3301522 Spectrum® CS Culture System Product # MCR-PLTSP500 Product # MCR-PLTSP500Q (Spectrum IV plate only)

Full color laminated interpretation guide provided free with first order.



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

Ordering Information:

PLTSP500Q	Spectrum® IV Quad Plate 10/Pkg.
PLTSP500	Spectrum® CS complete system for identification and antibiotic susceptibility.(5 test)
EQGLB2850	Disposable 10 ul Calibrated Inoculating Loop.100/Pkg.
A258062WC	Cotton Tip Sterile Applicators; 100/Pkg.

Spectrum® products are manufactured and distributed exclusively by:

Vetlab Supply
18131 SW 98th Ct.
Palmetto Bay, FL 33157
800.330.1522 · 305.232.8421 Fax
www.vetlab.com