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

- Available as single media or bi-plate with 5% blood agar.
- Colonies can be taken directly from Spectrum™ plate for antibiotic sensitivity testing.
- Results in just 18-24 hours.
- Economical at only 5.00 per culture.
- 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/Spectrum Plus Product Information**

**Intended Use:** Spectrum™ agar is a new chromogenic culture medium 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 Plus™ consists of a two-chambered agar plate containing Spectrum™ agar and non-selective Tryptic Soy Agar with 5% sheep blood. Spectrum™ and Spectrum™ Plus agar 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.

Tryptic Soy agar with 5% Sheep blood, commonly referred to as “blood agar”, is a non-selective medium that will support the growth of a wide range of bacteria. When grown on blood agar, certain organisms will elaborate hemolysins that in turn will lyse the intact red blood cells within the medium. While this hemolytic reaction can aid in the identification of certain organisms, it is rarely diagnostic per se of any one species.

**Storage and Shelf Life:** Each Spectrum agar plate comes individually wrapped for extended shelf life. Plates should be stored at 2°-8° C (36°-46° F) and protected from light.

**Summary of Procedure:** Spectrum™ plates should be removed from refrigeration and allowed to warm to room temperature prior to inoculation. Inoculate each plate utilizing established aseptic technique and place the plate with media inverted in a 37° C incubator. At 18-24 hours post inoculation, 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.

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

- E. coli
- Enterococcus
- Klebsiella (KECS Group)
- Proteus mirabilis
- Proteus vulgaris
- Pseudomonas aeruginosa
- Salmonella enteritides
- Staphylococcus aureus
- Streptococcus equi
- Streptococcus zooepidemicus
- Group B Streptococcus

Color reactions were obtained using organisms grown in pure culture. Mixed cultures should be carefully interpreted. See 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 Sensitivity:** Organisms may be harvested directly from the Spectrum™ agar plate for sensitivity testing via the Kirby-Bauer disk diffusion method. Sensitivity testing should not be performed using organisms harvested from blood agar.

**Packaging:** Spectrum™ and Spectrum Plus™ are packaged as 10 individually wrapped plates per box

**References:**


**Ordering Information:**
- PLTSP100  Spectrum Agar; 10/Pkg.
- PLTSP200  Spectrum Plus Biplate with TSA 5% Blood; 10/Pkg.
- PLT1103  Mueller Hinton Agar; 10/Pkg. (For Sensitivity Testing)
- EQGLB2850 Disposable 10 ul Calibrated Inoculating Loop.100/Pkg.
- A25806WC  Disposable 10 ul Calibrated Inoculating Loop.100/Pkg.
- BD4361181-10 Oxidase Mini-droppers (10)

**Distributed exclusively by:**
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