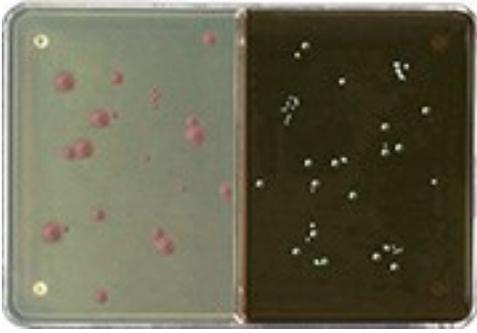




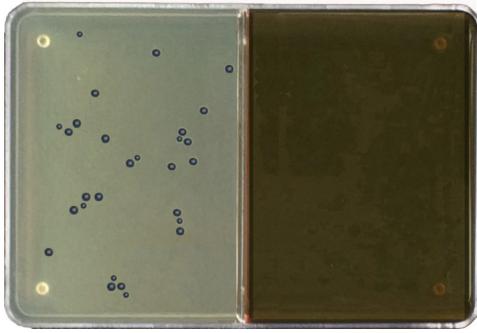
CultiPlate[®] – U Urine Culture System

Veterinary Interpretation Guide



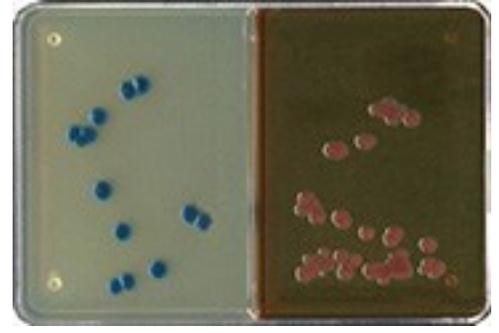
E. coli

Spectrum: Deep pink to red colonies commonly with purple center. EMB: Deep blue to black centered colonies. Green metallic sheen.



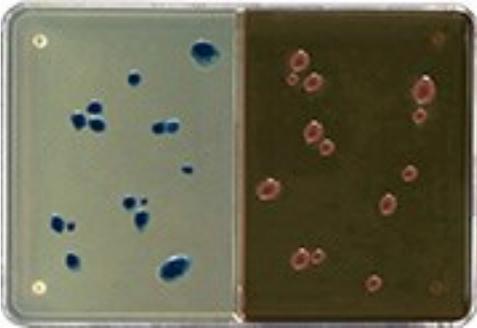
Enterococcus faecalis

Spectrum: Small, turquoise to dark blue colonies. EMB: No growth or occasional pink pinpoint growth.



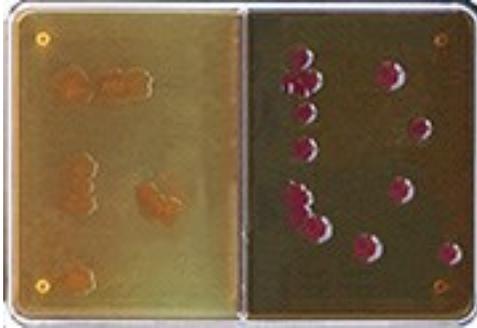
Enterobacter spp.

Spectrum: Large blue to greenish-blue colonies. Pink halo occasionally seen with older cultures. EMB: Large pink colonies.



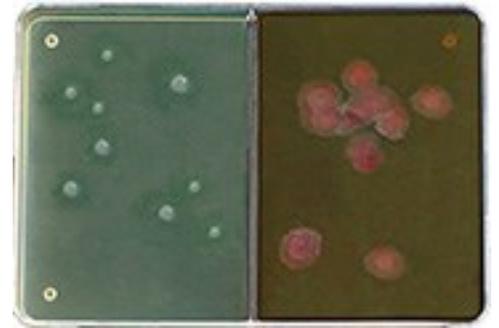
Klebsiella spp.

Spectrum: Large blue to greenish blue colonies similar to Enterobacter but more mucoid. EMB: Large, pink mucoid colonies.



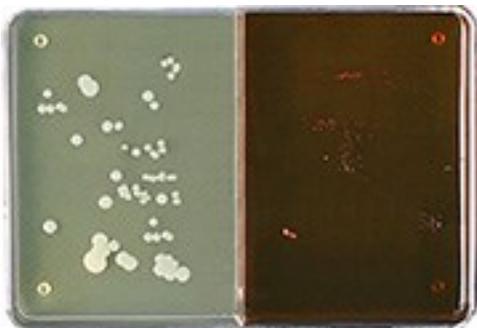
Proteus mirabilis

Spectrum: Swarming beige to orange irregular colonies surrounded by diffusing brown pigment. EMB: Pink swarming confluent growth.



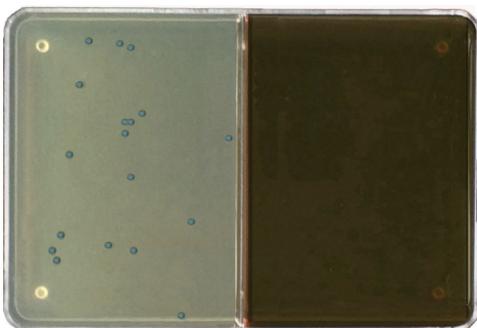
Pseudomonas aeruginosa

Spectrum: White to light green, flat colonies with serrated edge surrounded by diffusing green pigment. EMB: Pink-tinged, flat spreading colonies with rough edges.



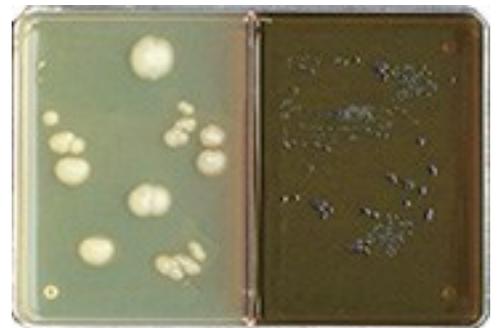
Staphylococcus aureus

Spectrum: Opaque white colonies. Some species may be slightly mauve-tinged. EMB: No growth or sparse pink pinpoint growth.



Group B Streptococcus

Spectrum: Pinpoint blue colonies. EMB: No growth. Note: Differentiation of Streptococcal species requires ancillary testing.



Yeast

Spectrum: White, creamy, convex colonies. EMB: Deep pink to purple spreading colonies. Budding cells evident in freshly prepared smears.

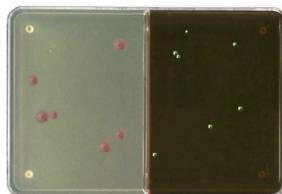
How to Perform a Colony Count

Following inoculation with the 10 ul calibrated loop and incubation, a count is performed using the side of the plate with the greatest number of colonies. For samples collected by cystocentesis, multiply by 100 to determine CFU (Colony Forming Units). Breakpoints for catheterized samples will be tenfold higher (Multiply by 1000.) See package insert for detailed instructions and interpretation.



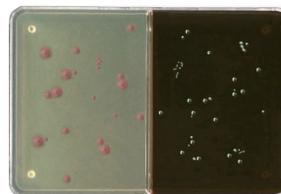
100 CFU

Most likely contaminant.



100-1000 CFU

Possible UTI.



1000-10,000 CFU

Significant. UTI likely.



10,000 CFU

Catheterized sample: UTI likely (except female dogs).

Note: All organisms pictured were grown in pure culture. Mixed cultures should be interpreted with caution. CultiPlate[®]-U is intended as an aid to identification of urinary pathogens for which the system has been validated. Positive results should be submitted to a qualified laboratory for confirmation and susceptibility testing. CultiPlate[®]-U is for veterinary use only.



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