Organism	(1) Spectrum Gram +	(2) Spectrum Gram -	(3) Staph. Select	(4) TSA w/5% Blood	Catalase[1]	Oxidase[2]
Streptococcus agalactiae	Light blue pinpoint colonies.	No Growth	Some species may produce small black colonies with no color change to media.	Pinpoint semi-transparent colonies with clear zone of beta hemolysis. Some species non-hemolytic V.[3]	Neg	NA
Streptococcus uberis	Small dark blue colones.	No Growth.	Generally no growth. Some species may produce small black colonies. No color change to media.	Small slightly gray colonies sometimes surrounded by green pigment.	Neg	NA
E. coli	No Growth	Medium to large pink to deep pink colonies.	Generally no growth. Some are species may produce a few black colonies with no color change to media.	Medium size gray colonies with characteristic odor. Most species are non-hemolytic.V[3]	Pos	Neg
Staphylococcus aureus	Mauve to white colonies. Some species may appear pale yellow. **V**[3]	No Growth	Black colonies surrounded by yellow zone. See notes regarding other species of Staphylococcus.[5]	Medium-sized white to gray raised glistening colonies. Clear zone of (beta) hemolysis.	Pos	NA
Proteus mirabilis	No Growth	Clear to slightly orange colonies surrounded by brown pigment diffusing into media.	Some species may produce small black colonies with no color change to media.	Gray mucoid growth swarming over plate. Distinct colonies are rarely seen. Brown pigment diffusing into media.	Pos	Neg
Enterobacter Spp.	No Growth	Large metallic blue colonies surrounded by pink halo.	No Growth	Large mucoid gray colonies. Non-hemolytic.	Pos	Neg
Klebsiella pneumoniae	No Growth	Medium size metallic blue mucoid colonies; older colonies may be surrounded by pink halo. **V**[3]	May produce a few black pinpoint colonies with no color change to media.	Large mucoid gray colonies. Non-hemolytic.	Pos	Neg
Pseudomonas aeruginosa	No Growth	Transparent slightly greenish serrated colonies w/ diffusion of green pigment into media. Rare species reddish brown.	No Growth	Medium size gray or bluish colonies with some coalescence.	Pos	Pos
Candida albicans (Yeast)	Medium to large mauve colonies. Some species may produce white colonies. **V**[3]	Small to medium off-white colonies	Medium to large gray mucoid colonies. No color change to medium.	Moist, opaque white to gray medium to large colonies.[4]	NA	NA

[1] The Catalase test using 3% hydrogen peroxide may aid in differentiating Staphylococcus from Streptococcus species.

[2] The Oxidase test can be helpful in differentiating Pseudomonas aeruginosa from other Gram negative bacteria and some Staphylococcus species. Oxidase Mini-droppers Prod# BD4361181-5 affords a simple method for performing this test.

[3] Indicates the potential for variability in color and growth characteristics of certain organisms.

[4] Candida albicans and other yeasts will generally grow in all quadrants. Use Gram stain to differentiate from bacteria. Yeasts will appear as large, Gram positive budding cells.