

Organism	(1) Spectrum® Gram +	(2) Spectrum® Gram -	(3) Staph. Select	(4) TSA w/5% Blood	Catalase ¹	Oxidase ²
<i>Streptococcus agalactiae</i>	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
<i>Streptococcus uberis</i>	Small blue colonies.	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
<i>Staphylococcus aureus</i>	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 <i>Staphylococcus</i> . ⁵	Medium-sized white to gray raised glistening colonies. Clear zone of (beta) hemolysis.	Pos	NA
<i>Enterococcus Spp.</i> (Not pictured)	Blue to turquoise small colonies.	No Growth	Some species yield pinpoint black colonies. <i>E. faecalis</i> will produce yellow zones.	Pinpoint to small smooth colonies. Generally non-hemolytic.	Neg	Neg
<i>E. coli</i>	No Growth	Medium to large pink to deep pink colonies.	Generally no growth. Some 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
<i>Proteus mirabilis</i>	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
<i>Enterobacter Spp.</i>	No Growth	Large metallic blue colonies. Some species surrounded by pink halo.	No Growth	Medium to large semi-mucoid gray colonies. Non-hemolytic.	Pos	Neg
<i>Klebsiella pneumoniae</i>	No Growth	Medium to large metallic blue mucoid colonies. Some species surrounded by pink halo.	May produce a few black pinpoint colonies with no color change to media.	Large gray mucoid colonies. Non-hemolytic.	Pos	Neg
<i>Pseudomonas aeruginosa</i>	No Growth	White to slightly green serrated colonies w/ diffusion of green pigment into media. Rare species reddish brown.	No Growth	Medium size gray or blue-tinged colonies with some coalescing.	Pos	Pos
<i>Candida albicans</i>	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. Use Oxidase Mini-droppers Prod# BD4361181-10.

V³ 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.

⁵ *S. saprophyticus* and *S. epidermidis* are considered non-pathogens that will form gray black colonies without yellow zones. *S. intermedius* exhibits a reaction similar to *S. aureus*. Additional methods are required for differentiation.