

Bacteria	Characteristic
Vibrio cholerae	Division time: 13 minutes (rapid growth)
Mycobacterium tuberculosis	Division time: 24 hours (slow growth)
Staphylococcus aureus	Complete (beta) hemolysis on blood agar
Streptococcus pyogenes	Complete (beta) hemolysis on blood agar
Streptococcus viridans	Partial (alpha) hemolysis on blood agar
Pneumococci	Partial (alpha) hemolysis on blood agar
Enterococci	No (gamma) hemolysis on blood agar
Haemophilus	Grows on chocolate agar (fastidious bacteria)
Neisseria	Grows on chocolate agar; requires elevated CO ₂
Mycobacterium tuberculosis	Grows on Lowenstein-Jensen medium
Corynebacterium diphtheriae	Grows on blood tellurite agar
Enterobacteria	Selective for bile; ferments lactose on MacConkey's agar
Staphylococcus spp.	Grows on mannitol salt agar (high salt concentration)
Vibrio cholerae	Yellow on Thiosulfate-Citrate-Bile-Sucrose agar (sucrose fermenter)
Vibrio parahaemolyticus	Green on Thiosulfate-Citrate-Bile-Sucrose agar (non-sucrose fermenter)
Pseudomonas aeruginosa	Obligate aerobe; requires oxygen for growth
Bacteroides fragilis	Obligate anaerobe; cannot survive in oxygen presence
Campylobacter	Microaerophilic; grows in low oxygen conditions
Helicobacter	Microaerophilic; requires low oxygen levels
Clostridium perfringens	Aero-tolerant anaerobe; tolerates low oxygen
Neisseria	Capnophilic; requires elevated CO ₂
Brucella	Capnophilic; also requires elevated CO ₂
Lactobacilli	Acidophilic; prefers low pH levels
Vibrio cholerae	Alkaliphilic; prefers high pH levels