



Gram-positive irregular bacilli

Acid-fast staining: mycolic acids

Strict aerobes

Grow slowly

Virulence factors -contain complex waxes that prevent destruction by lysosomes or macrophages

Mycobacterium

Gram positive bacillus (non-spore forming)

Listeria monocytogenes

Found in soil, water, luncheon meats, hot dogs, cheese

Resistant to long storage and refrigeration, heat, salt, pH extremes and bile.

Virulence factors: diphtherotoxin
Vaccine (DPT)



Corynebacterium diphtheriae

Causes a pseudomembrane which can cause asphyxiation

Acquired via respiratory droplets from carriers or actively infected individuals

