

When staining an unknown, add controls!

Known Gram + Unknown Known Gram -

Acid-fast Stain

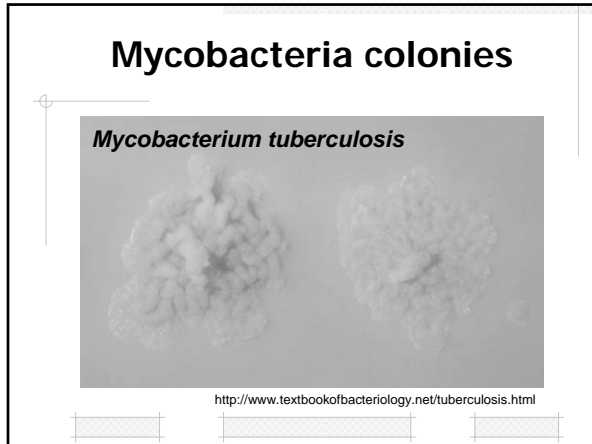
mycobacteria

medlib.med.utah.edu/WebPath/TUTORIAL/MTB/MTB013.html





Acid-fast Bacterial Cell Wall

Mycolic acids
Arabinofuranose
Galactofuranose
Bridge
Peptidoglycan
Cell membrane

www.bio.gasou.edu/Bio-home/Pung/pungbio3240ur1s.html http://www.chemsoc.org/chembytes/ezine/images/1998/evans_fig2.jpg



Acid-fast technique

	acid-fast species	non acid-fast species
1. carbolfuschin		
2. acid-alcohol		
3. methylene blue	