

Atlas of microbiological cultures

Cocci

G+

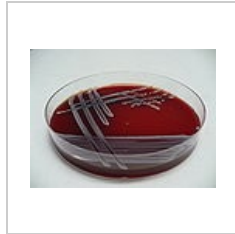
Staphylococci



Staphylococcus aureus, blood agar



Staphylococcus aureus, detail of β -hemolysis



Staphylococcus epidermidis, blood agar



Staphylococcus epidermidis, detail - no hemolysis

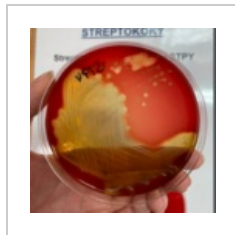
Streptococci



Streptococcus agalactiae, blood agar



Streptococcus agalactiae, detail of β -hemolysis



Streptococcus pyogenes, blood agar



Streptococcus pyogenes, detail of β -hemolysis



Streptococcus pneumoniae, blood agar, R-phase



Streptococcus pneumoniae, R-phase, detail of α -hemolysis



Streptococcus pneumoniae, blood agar, M-phase

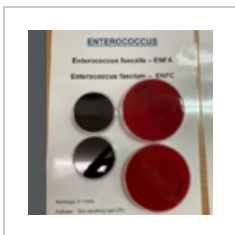


Streptococcus pneumoniae, M-phase, detail of α -hemolysis



Streptococcus viridans, krevní agar

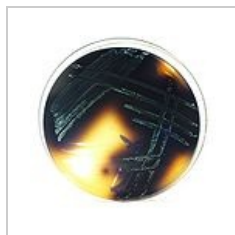
Enterococci



Enterococci

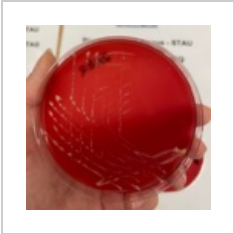


Enterococcus faecalis, blood agar



Enterococcus faecalis, bile-esculin agar

Rhodococcus



Rhodococcus equi,
blood agar

G-

Neisseriae



Neisseria
lactamica, blood
agar



Neisseria
pharyngis, blood
agar

Bacilli

G+

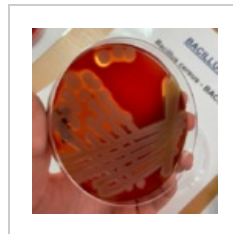
Bacillus



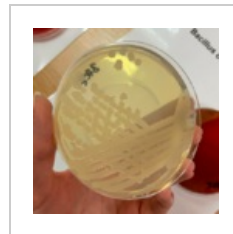
Bacillus subtilis,
blood agar



Bacillus subtilis,
Mueller-Hinton
agar

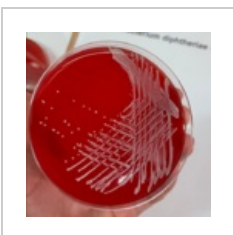


Bacillus cereus,
blood agar



Bacillus cereus, MH
agar, Mueller-
Hinton agar

Corynebacteria



Corynebacterium
diphtheriae, Blood
agar

G-

Pseudomonas



Pseudomonas aeruginosa



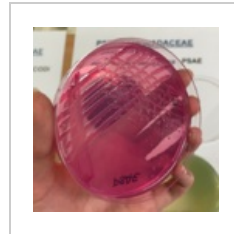
Pseudomonas aeruginosa, blood agar



Pseudomonas aeruginosa, Mueller-Hinton agar



Pseudomonas aeruginosa, deoxycholate-citrate agar



Pseudomonas aeruginosa, Endo agar



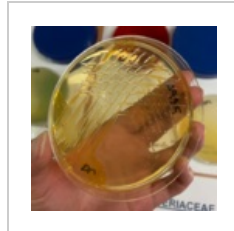
Pseudomonas fluorescens



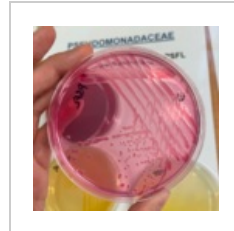
Pseudomonas fluorescens, blood agar, the smell remotely resembles the scent of jasmine



Pseudomonas fluorescens, Mueller-Hinton agar, the smell remotely resembles the scent of jasmine



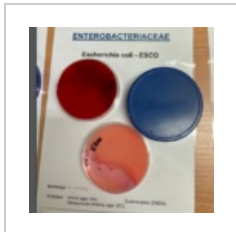
Pseudomonas fluorescens, deoxycholate-citrate agar



Pseudomonas fluorescens, Endo agar, the smell remotely resembles the scent of jasmine

Enterobacteriaceae

Escherichia



Escherichia coli



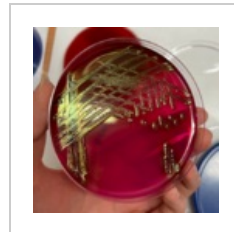
Escherichia coli, blood agar



Escherichia coli, blood agar, detail



Escherichia coli, deoxycholate-citrate agar



Escherichia coli, Endo agar

Proteus



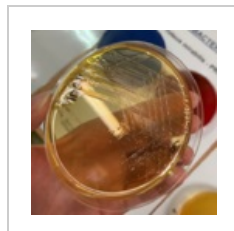
Proteus mirabilis



Proteus mirabilis, blood agar, creeping growth



Proteus mirabilis, blood agar



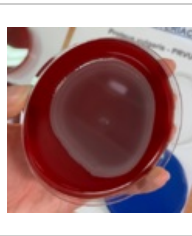
Proteus mirabilis, deoxycholate-citrate agar



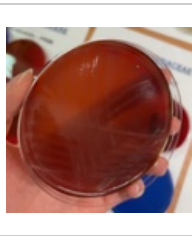
Proteus mirabilis, Endo agar



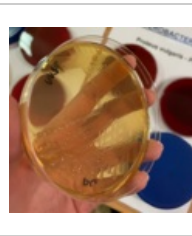
Proteus vulgaris



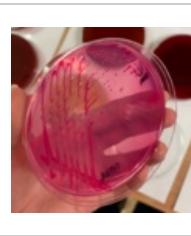
Proteus vulgaris,
blood agar,
creeping growth



Proteus vulgaris,
blood agar



Proteus vulgaris,
deoxycholate-
citrate agar



Proteus vulgaris,
Endo agar

Salmonella



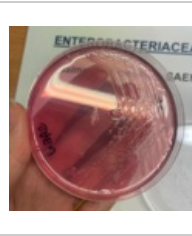
Salmonella
enterica



Salmonella
enterica, blood
agar



Salmonella
enterica,
deoxycholate-
citrate agar, black
ferrous sulfide ,
which is formed by
the reaction of
ferric citrate with
sulfane produced
by *Salmonella*



Salmonella
enterica, Endo
agar



Salmonella
enterica, Endo
agar, detail

Shigella



Shigella flexneri



Shigella flexneri,
blood agar, detail



Shigella flexneri,
blood agar



Shigella flexneri,
deoxycholate-
citrate agar



Shigella flexneri,
Endo agar

Citrobacter



Citrobacter koseri



Citrobacter koseri,
blood agar



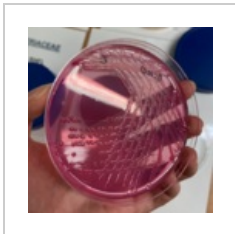
Citrobacter
freundii, blood
agar, detail



Citrobacter koseri,
deoxycholate-
citrate agar

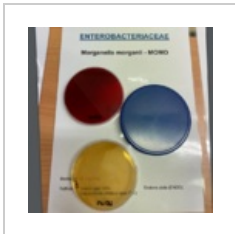


Citrobacter
freundii,
deoxycholate-
citrate agar, detail



Citrobacter koseri,
Endo agar

Morganella



Morganella
morganii



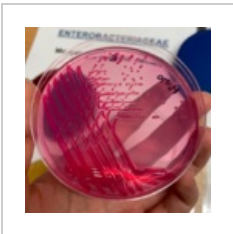
Morganella
morganii, blood
agar



Morganella
morganii,
deoxycholate-
citrate agar



Morganella
morganii,
deoxycholát-
citrátový agar,
detail



Morganella
morganii, Endo
agar

Klebsiella



Klebsiella
pneumoniae



Klebsiella
pneumoniae, blood
agar



Klebsiella
pneumoniae, blood
agar, detail



Klebsiella
pneumoniae,
deoxycholate-
citrate agar



Klebsiella
pneumoniae,
deoxycholate-
citrate, detail



Klebsiella
pneumoniae, Endo
agar

Serratia



Serratia marcescens



Serratia marcescens, blood agar

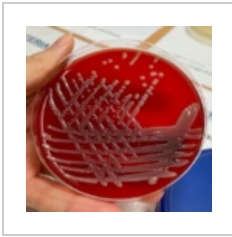


Serratia marcescens, Mueller-Hinton agar

Enterobacter



Enterobacter cloacae



Enterobacter cloacae, blood agar



Enterobacter cloacae, deoxycholate-citrate agar

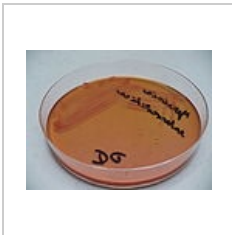


Enterobacter cloacae, Endo agar

Yersinia



Yersinia enterocolitica, blood agar



Yersinia enterocolitica, deoxycholate-citrate agar



Yersinia enterocolitica, Endo agar

Yeast



Saccharomycetaceae - yeast



Candida albicans, Sabouraud's agar



Candida tropicalis



Candida crusei

Tests and examinations



Positive result of cultivation CAMP test. Horizontal inoculation line *Staphylococcus aureus* and vertical line *Streptococcus agalactiae*.



Negative result of a CAMP test. Tested strain *Streptococcus pyogenes*, inoculation (white) line *Staphylococcus aureus*.



Bacteria used for reverse CAMP test: *Staphylococcus aureus* + *Arcanobacterium haemolyticum*, possibly *Corynebacterium ulcerans* and *Corynebacterium pseudotuberculosis*



Inverzní CAMP test, Vertical (white) inoculation line *Staphylococcus aureus*, tested strain *Arcanobacterium haemolyticum*.



Interaction of bacterial products *Staphylococcus aureus* and *Rhodococcus equi*.



Example of the result
ENTEROTESTU 16



Example of media used for microbiological examination of urine = so-called urinary plate (3xMcConkey agar, 2x blood agar, 1x bile-esculin agar)