

BL203 Lab # 6 Results

Pure Culture Isolation, Selective and Differential Media

Materials- 1 Mannitol Salt Agar plate (MSA)
 1 Levine Eosin Methylene Blue plate (EMB)
 1 Phenylethanol Agar plate (PEA)

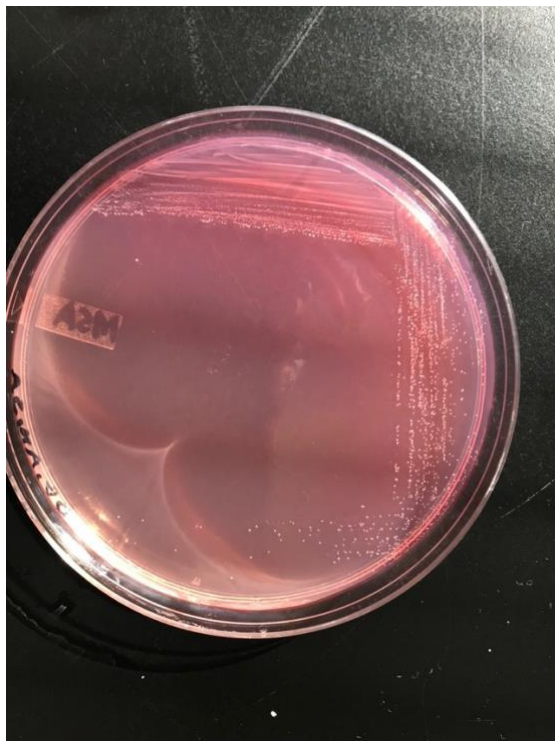
Broth culture of 4 bacteria mix of
Staphylococcus aureus
Staphylococcus epidermidis
Escherichia coli
Serratia marcescens

Based upon the media property and the organism property (gram positive or gram negative) determine which organisms will grow on the three types of media. You can use the Photographic Atlas to see what the growth of the above organisms would look like.
I shall go over this in the Conference as well

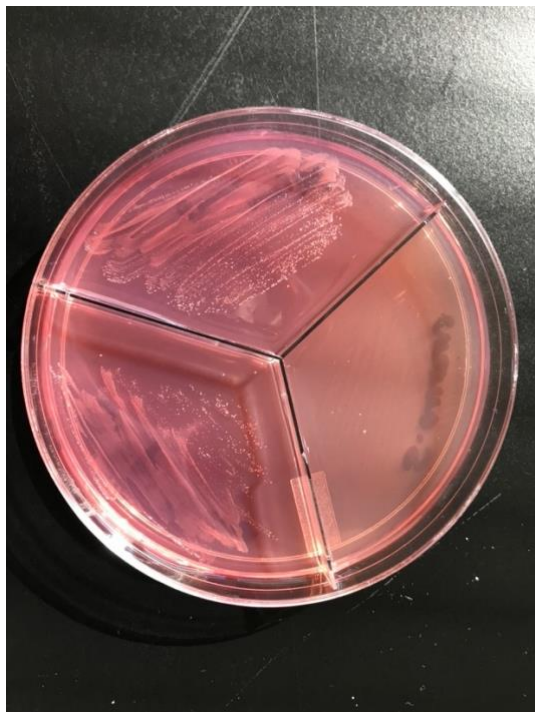
PEA Plate



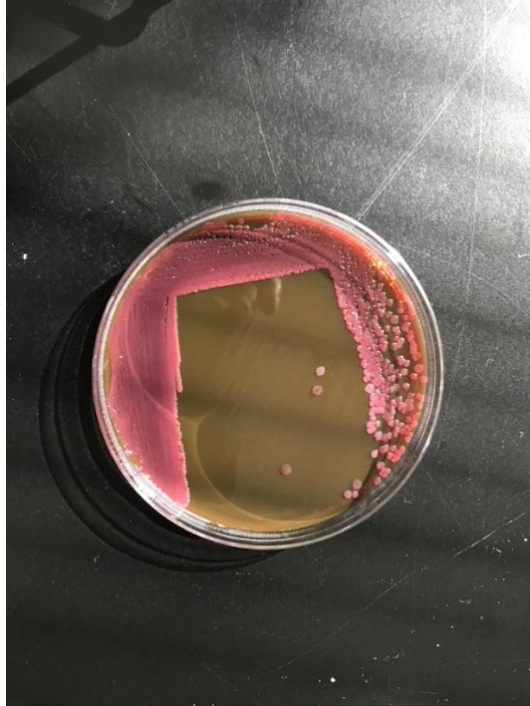
MSA Plate



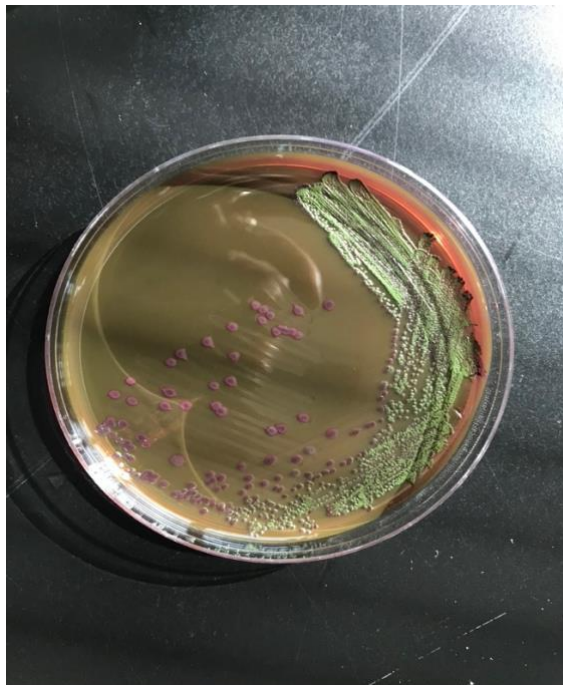
MSA Plate with *Staphylococcus epidermidis*



EMB medium typical growth of Serratia marcescens



EMB medium typical growth of Escherichia coli



EMB plate



MSA plate with *Staphylococcus epidermidis* (left) and *Staphylococcus aureus* (right)
Uninoculated section on top.



Oxygen Requirements in Thioglycolate broth
Left to right organisms in the tubes
Clostridium sporogenes
Escherichia coli
Micrococcus luteus

To determine the oxygen response of the above organisms, observe the tubes and classify them into aerobic, facultative anaerobe and anaerobe (a little more challenging than shown in the diagram in the book, under oxygen response of microbes and growth in tubes)

