

Information about PM-401 Practical Examination 2015

The examination will have three parts to be fulfilled by EACH student:

- 1) Mixture of two microorganisms to be identified by Gram staining
- 2) Isolation by the streak plate method (two microorganisms in the bacterial suspension to be streaked)
- 3) Identification of spots AND answering questions related to the spots

Possible mixtures (9 possible pairs, numbered 1–9)

	<i>Staph. aureus</i>	<i>Sarcina lutea</i>	<i>Bacillus subtilis</i>	<i>G –ve rods</i>	<i>Candida albicans</i>
<i>Staph. aureus</i>			1	2	3
<i>Sarcina lutea</i>			4	5	6
<i>Bacillus subtilis</i>	1	4		7	8
<i>G –ve rods</i>	2	5	7		9
<i>Candida albicans</i>	3	6	8	9	

List of spots and possible questions (not exclusive: there may be questions that are not listed here)

Spot name	Examples of possible questions
Microscopy:	
Simple stain	Organism name
Gram stain	Organism name(s)
Negative stain	Organism name/ Dye name/ Type of stain
Spore stain	Organism name/ Dye name/ Type of stain
Acid fast stain	Organism name/ Dye name/ Type of stain/ Result (+/-)
Immunology/ Serology:	
Blood Group	Name of spot/ Type of serological reaction/ Blood group type
Complement fixation test	Name of spot/ Result
Antistreptolysin O (ASO)	Name of spot/ Type of serological reaction/ Form of antigen/ Uses/ Result
Widal test	Name of spot/ Type of serological reaction/ Form of antigen/ Uses/ Result
Hemagglutination in microtiter plate	Name of spot/ Type of serological reaction/ Form of antigen/ Uses/ Result/ Titer
Rapid Plasma Reagin (RPR)	Name of spot/ Type of serological reaction/ Form of antigen/ Uses/ Result
Ouchterlony test	Name of spot/ Type of serological reaction/ Form of antigen/ Uses/ Result
Isolation:	
An agar plate with isolated colonies for description (similar to what you saw in the isolation results): Describe the colonies you see according to the scheme.	