

Exercise Number	Question	Expected Report	Evaluation
SMI	Please carry out a Gram stain on the given fixed smear prepared from a PUS specimen from an abscess in a 35-year-old gentleman.	Presence of host cells & debris (1 mark): Many pus cells Description of Organism/s (2marks): Many (0.5) Gram positive (0.5) cocci arranged in groups, pairs and short chains (1) Probable organism (1 mark): <i>Staphylococcus spp</i>	0 0.5 1 1.5 2 2.5 3 3.5 4
SM2	Please carry out a Gram stain on the given fixed smear provided and select the correct description from the options given.	A] No Pus cells, many epithelial cells B] Many pus cells, many epithelial cells C] Many pus cells, no epithelial cells D] No pus cells, no epithelial cells	REMOVED FROM EVALUATION

FEBRUARY 2021/ BACTERIOLOGY SMEARS:
Question: Carry out the appropriate staining procedure and document the relevant observation. Provide the Impression or probable organism seen (AS ASKED)
 Please refer the attached evaluation format/answer template for details on the criteria for evaluation.
PLEASE NOTE: The inaccuracies in the participant report resulting in deduction of marks has been underlined in the expected report.

Marks Obtained: 61/61 (100%)

M 0 6 3 0

MEMBER ID:

10th EQAS EVALUATION REPORT

FEBRUARY 2021



10th IAMM EQAS Microbiology: Bacteriology/ Serology
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NABL ACCREDITED ISO / IEC 17043:2010, PC-1033 / 27.12.2018



SM3	Please carry out a Gram stain on the given fixed smear prepared from a mid-stream clean catch URINE specimen of a 45-year-old lady, presenting with fever, chills and dysuria.	Presence of host cells & debris (1 mark): Many pus cells Description of Organism/s (2 marks): Many (0.5) Gram negative (0.5) long, thick and short, thick bacilli (1) Impression (1 mark): Probable case of urinary tract infection with significant bacteriuria	0	0.5	1
			1.5	2	2.5
			3	3.5	4

FEBRUARY 2021/ BACTERIOLOGY CULTURE:

Question: A freeze-dried (lyophilized) culture of an organism isolated from a clinical specimen is given. Carry out the appropriate techniques for each exercise and identify the pathogen. Carry out the antimicrobial susceptibility testing according to the panel given below.

Please refer the attached evaluation format for details on the criteria for evaluation.

A 'partially correct' or 'incorrect' component of the participant report which has resulted in a deduction of marks has been indicated in the evaluation report below.

CU 1: Isolated from a BRONCHO-ALVEOLAR LAVAGE specimen of a 65-year-old hospitalized gentleman.

FINAL IDENTIFICATION: *Stenotrophomonas maltophilia*

Identification details	Reported	Not reported	Evaluation (7 marks)
Microscopy (Gram stain + Motility)	✓		0 0.5 (1)
Salient culture and biochemical findings enabling final identification (Minimum 3 key characteristics)	✓		1 2 3 (4)
Final identification	✓		0.5 1 1.5 (2)

Susceptibility report	EXPECTED REPORT			PARTICIPANT REPORT		MARK	TYPE OF ERROR
	Zone size (mm)	MIC (µg/ml)	Interpretation	Correct	Incorrect	6 marks	Error
Levofloxacin	≥17	≤2	Susceptible	✓		-1 0 1 (2)	mE/ ME/ VME
Co-trimoxazole	≥16	≤2 /38	Susceptible	✓		-1 0 1 (2)	mE/ ME/ VME
Minocycline	≥19	≤4	Susceptible	✓		-1 0 1 (2)	mE/ ME/ VME

CU2: Isolated from a voided URINE specimen of a 75-year-old lady with fever, malaise and increased somnolence

FINAL IDENTIFICATION: *Klebsiella pneumoniae* subsp *pneumoniae*

Identification details	Reported	Not reported	Evaluation (7 marks)
Microscopy (Gram stain + Motility)	✓		0 0.5 (1)
Salient culture and biochemical findings enabling final identification (Minimum 3 key characteristics)	✓		1 2 3 (4)
Final identification	✓		0.5 1 1.5 (2)

Susceptibility report	EXPECTED REPORT			PARTICIPANT REPORT		MARK	TYPE OF ERROR
	Zone size (mm)	MIC (µg/ml)	Interpretation	Correct	Incorrect	10 marks	Error
Ceftriaxone	≤19	≥4	RESISTANT	✓		-1 0 1 (2)	mE/ ME/ VME
Amikacin	≥17	≤16	Susceptible	✓		-1 0 1 (2)	mE/ ME/ VME
Piperacillin-tazobactam	≥21	≤16 / 4	Susceptible	✓		-1 0 1 (2)	mE/ ME/ VME
Ciprofloxacin	≤18	≥2	RESISTANT	✓		-1 0 1 (2)	mE/ ME/ VME
Meropenem	≥23	≤1	Susceptible	✓		-1 0 1 (2)	mE/ ME/ VME

CU3: Isolated from a BLOOD culture of a 40-year-old lady presenting to the OPD with fever and chills.
FINAL IDENTIFICATION: *Klebsiella aerogenes*

Identification details	Reported	Not reported	Evaluation (7 marks)
Microscopy (Gram stain + Motility)	✓		0 0.5 (1)
Salient culture and biochemical findings enabling final identification (Minimum 3 key characteristics)	✓		1 2 3 (4)
Final identification	✓		0.5 1 1.5 (2)

Susceptibility report	EXPECTED REPORT		PARTICIPANT REPORT		MARK 10 marks	TYPE OF ERROR
	Zone size (mm)	MIC (µg/ml)	Correct	Incorrect		
Ceftriaxone	≤19	≥4	✓		-1 0 1 (2)	mE/ ME/ VME
Amikacin	≥17	≤16	✓		-1 0 1 (2)	mE/ ME/ VME
Piperacillin-tazobactam	≤17	≥128/4	✓		-1 0 1 (2)	mE/ ME/ VME
Meropenem	≥23	≤1	✓		-1 0 1 (2)	mE/ ME/ VME
Ciprofloxacin	≥25	≤0.5	✓		-1 0 1 (2)	mE/ ME/ VME

FEBRUARY 2021 / SEROLOGY

Test method employed for detection C-reactive protein (CRP) at your lab: Nephelometry

Peer group (n) = 126

Please refer the attached evaluation format for details on the criteria for evaluation

Parameter	Your Result	Your Value (mg/L)	Intended Result	Robust Mean	Robust SD	Range (mg/L)	Z & Z'	Max Marks	Your Score
SE1	CRP Negative	1.41	Negative	1.7771	0.8185	0.3 to 45.0	-0.4	2	2
SE2	CRP Negative	1.58	Negative	2.0511	0.7644	0.3 to 32.98	-0.6	2	2
SE3	CRP Positive	46.91	Positive	55.6487	12.1751	3.0 to 93.92	-0.7	2	2

Disclaimer:

This is a confidential document and subject to the rules of confidentiality as described by the ISO 17043:2010 standard.

MEMBER ID:

M 0 6 3 0

SM1	SM2	SM3	CU1	CU2	CU3	SE1	SE2	SE3	Marks obtained	
4	NE	4	13	17	17	2	2	2	61	100%
4	NE	4	13	17	17	2	2	2	Maximum marks = 61	

NE- Not Evaluated

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Dr. V. Balaji
PT Co-ordinator

Report Dispatch Date: 28.06.2021

***** End of Report *****