



PC-1023

OCTOBER 2021

109<sup>th</sup> EQAS EVALUATION REPORT

MEMBER ID:

M 0 9 4 5

OCTOBER 2021 / BACTERIOLOGY SMEARS

Marks Obtained: 12/18 (66.7%)

109<sup>th</sup> IAMM EQAS Microbiology: Bacteriology/ Serology

CMC MICRO EQAS

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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 smear report.

Exercise Number	Question	Expected Report	Evaluation		
SMI	Please carry out a Gram stain on the given fixed smear prepared from a BLOOD culture specimen obtained from a 74-year-old gentleman presenting with high grade fever and chills following prostrate surgery (TURP).	Description of Organism/s (2marks): Many Gram-positive spherical/oval cocci (1) arranged in pairs, long and short chains (1)  Probable organism (1 mark): <i>Streptococcus</i> spp/ <i>Enterococcus</i> spp (1)  Where can the blood culture specimen be stored if there is a delay in transport? (1 mark): <u>Ideally Incubator / room-temperature</u> (1)  What is the upper limit of storing the specimen outside of these conditions? (No marks allotted): <u>As mentioned by the manufacturer</u>	0	0.5	1
			1.5	2	2.5
			3	3.5	4

SM2	<p>Please carry out a Gram stain on the given fixed smear prepared from an isolate from a THROAT swab received from a 2-year-old girl who has not received her routine vaccinations in the last 2 years. She presented with fever, sore throat, bilateral facial swelling with stridor.</p>	<p>Description of Organism/s (2marks): <u>Many Gram-positive bacilli (1) club-shaped in X and V / cuneiform arrangements (1)</u></p> <p>Probable organism (1 mark): <u><i>Corynebacterium diphtheriae</i></u></p> <p>What precaution are to be taken in the lab while handling the specimen (1mark)</p> <p>[a] Specimen handling following standard precautions in a BSC Type 2 A2</p> <p>[b] Personnel should be adequately vaccinated and have a minimal of diphtheria antibody level of at least 0.1 IU/ml.</p> <p>[c] If unvaccinated and exposed should begin antimicrobial prophylaxis if specimen is culture or PCR positive</p>	0	0.5	1
SM3	<p>Please carry out a Gram stain on the given fixed smear prepared from a URINE specimen of a 22-year-old pregnant patient in her third trimester with a history of increased frequency of micturition for 2 days.</p>	<p>Please shade all the boxes that are relevant to your findings:</p> <p>Pus cells: <input type="checkbox"/> Many <input type="checkbox"/> Moderate <input type="checkbox"/> Few <input checked="" type="checkbox"/> Occasional <input type="checkbox"/> None (0.5 mark)</p> <p>Epithelial cells: <input checked="" type="checkbox"/> Many <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Few <input type="checkbox"/> Occasional <input type="checkbox"/> None (0.5 mark)</p> <p>Organism burden: <input checked="" type="checkbox"/> Many <input type="checkbox"/> Moderate <input type="checkbox"/> Few <input type="checkbox"/> Occasional</p> <p><input checked="" type="checkbox"/> Gram positive cocci in pairs, chains and clusters (0.25)</p> <p><input checked="" type="checkbox"/> Gram positive bacilli (0.5)</p> <p><input checked="" type="checkbox"/> Gram negative bacilli (0.25)</p> <p><input checked="" type="checkbox"/> Gram negative coccobacilli (0.5)</p> <p><input checked="" type="checkbox"/> Gram positive budding yeast like organisms (0.5)</p> <p>Impression/ Comments regarding the specimen: <u>Improperly collected specimen (0.5 mark)</u></p> <p>What recommendation may be advised by the lab? : <u>Suggest repeat appropriately collected mid-stream clean catch specimen (0.5 mark)</u></p>	0	0.5	1
			1.5	2	2.5
			3	3.5	4



**QUBER 2021 / SEROLOGY**

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

Parameter	Your Interpretation		Intended Result			Max Marks	Your Score
	Correct	Incorrect	STO	STH	Interpretation		
SE1 Widal*	✓		Negative	Negative	Not Suggestive of Enteric Fever / Typhoid Fever	2	2

\*Expected value is determined by the Proficiency Testing Provider (PTP).

Parameter	Your Result	Your Value	Intended Result	Method	Robust Mean	Robust SD	Range	Z & Z'	Max Marks	Your Score
SE2 ASO	Negative	139 IU/mL	Negative	Others (n-11)	52.8316	24.2281	25 to 249.41	3.3	2	1
SE3 CRP	Positive	1.2mg/L	Positive	Latex Agglutination (n-220)	34.0754	21.1902	6 to 192	NA	2	1

SE3 - one mark deducted for CRP value incorrectly reported. NA - Not Available

**Disclaimer:**

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

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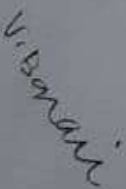
	SM1	SM2	SM3	SE1	SE2	SE3	Marks obtained
	4	0.5	2.5	2	1	2	12
	4	4	4	2	2	2	Maximum marks = 18



Dr. Rani Diana Sahni  
Scientific Co-ordinator  
Report Dispatch Date: 15.03.2022



Dr. John A Jude Prakash  
Quality Manager



Dr. V. Balaji  
PT Co-ordinator

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





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NABL ACCREDITED ISO / IEC 17043:2010, PC-1033 / 27.12.2018



JUNE 2021

108<sup>th</sup> EQAS EVALUATION REPORT

MEMBER ID:

M 0 9 4 5

Marks Obtained: 7.5/18 (41.7%)

### JUNE 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.

Exercise Number	Question	Expected Report	Evaluation			
			0	0.5	1	
SM1	Please carry out a Gram stain on the given fixed smear prepared from a CSF specimen obtained from a 3-year old child presenting at a rural hospital facility with high grade fever and altered sensorium. Mother has defaulted on child's vaccinations.	Presence of host cells & debris (1 mark): <u>Many pus cells</u> Description of Organism/s (2marks): <u>Many (0.5) pleomorphic (0.5) Gram neegative bacilli (1)</u> Probable organism (1 mark): <u>Hemophilus spp</u>	0	0.5	1	
			1.5	2	2.5	
			3	3.5	4	
			3	3.5	4	
SM2	Please carry out a Gram stain on the given fixed smear prepared from an endotracheal aspirate of a 43-year old man admitted in ICU for 5 days with SARS-CoV2.	Presence of host cells & debris (1mark): <u>Moderate pus cells</u> Description of Organism/s (2marks): <u>Many (0.5) Gram negative (1) cocco-bacilli (0.5)</u> Probable organism (1 mark): <u>Acinetobacter spp</u>	0	0.5	1	
			1.5	2	2.5	
			3	3.5	4	
			3	3.5	4	



SMS	Please carry out a Gram stain on the given fixed smear prepared from a sputum specimen of an 82-year old COVID-negative gentleman seen in casualty with fever and breathlessness.	Pus cells: Occasional Epithelial cells: Many ✓ Gram positive cocci in clusters ✓ Gram positive cocci in pairs and chains ✓ Gram positive bacilli in palisade arrangement × Gram positive bacilli in cuneiform arrangement ✓ Gram negative cocci in pairs and clusters ✓ Gram negative bacilli × Gram positive yeast like organisms	0	0.5	1
	Impression/ Comments (1 mark): Excessive salivary contamination. Improperly collected sputum specimen.		1.5	2	2.5
	Name the grading system you used to grade the sputum specimen: not graded		3	3.5	4

**JUNE 2021 / SEROLOGY**

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

Parameter	Your Result	Your Value	Intended Result	Method	Robust Mean	Robust SD	Range	Z & Z'	Max Marks	Your Score
SE1	RA	Negative	Not Reported	Latex Agglutination (n-389)	NA	NA	NA	NA	2	2
SE2	CRP	Positive	Not Reported	Latex Agglutination (n-206)	32.2239	19.8230	6 to 192	NA	2	2

NA: Not Applicable

Parameter	Your Result	Intended result	correct	Incorrect	Max Marks	Your Score
SE3	RPR/VDRL	Reactive		✓	2	0
	TPHA					
	Syphilis ELISA					
NOT DONE						



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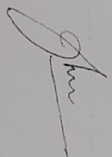
**M 0 9 4 5**

S/M1	S/M2	S/M3	SE1	SE2	SE3	Marks obtained
0.5	0.5	2.5	2	2	0	7.5
4	4	4	2	2	2	Maximum marks = 18

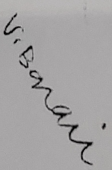


**Dr. Rani Diana Sahni**  
Scientific Co-ordinator

Report Dispatch Date: 30.10.2021



**Dr. John A Jude Prakash**  
Quality Manager



**Dr. V. Balaji**  
PT Co-ordinator

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