



104<sup>th</sup> AMM EQAS Microbiology: Bacteriology/ Serology  
 Department of Clinical Microbiology, Christian Medical College, Vellore-632004, Tamil Nadu  
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MARCH 2020

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

MEMBER ID:

M 0 9 4 5

MARCH 2020 / BACTERIOLOGY SMEARS:

Marks Obtained: 11.5/20 (57.5%)

**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 voided URINE specimen of a 63-year old diabetic lady with a history of mild dysuria and increased frequency for 2 days.	Presence of host cells & debris (1 mark): <u>Occasional pus cells</u> . Many epithelial cells. Description of Organism/s (2marks): <u>Many Gram positive spherical cocci in pairs, chains, groups. Many Gram negative bacilli (slender and thick). Many Gram positive bacilli. Moderate oval budding yeast like organisms.</u> Impression/comment (1 mark): <u>Improperly collected specimen. Suggest repeat appropriately collected mid-stream clean catch specimen for culture.</u> Presence of host cells & debris (1 mark): <u>Many pus cells.</u>	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 prepared from an EXUDATE specimen of a 23-year old man presenting with an exudative lesion on the right leg associated with high grade fever, chills and myalgia for 2 days.	Description of Organism/s (2 marks): <u>Many Gram positive spherical cocci in pairs and chains.</u> Possible organism (1 mark): <u>Streptococcus species (Probably S. pyogenes)</u>	0	0.5	1	
			1.5	2	2.5	
			3	3.5	4	

SMB3	Please carry out a Gram stain on the given fixed smear prepared from an ENDOTRACHEAL ASPIRATE specimen of a 69-year old gentleman admitted in the ICU with worsening saturation.	Presence of host cells & debris (1 mark): Many pus cells. Description of Organism/s (2 marks): Many Gram negative cocco-bacilli. Possible organism (1 mark): Probable NEGNB- <i>Acinetobacter</i> spp	0	0.5	1
			1.5	2	2.5
			3	3.5	4

**MARCH 2020 / SEROLOGY**

Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination  
Peer group (n) = 240

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	Positive	Positive	18.6406	13.0615	0.024 to 240	-	2	1
SE2	CRP	Negative	Negative	Not Applicable		Not Applicable		2	2
SE3	CRP	Positive	Negative	Not Evaluated*		Not Evaluated*		2	2

\*As >30% participants scored <70% on this exercise, it has been excluded from the final evaluation

**MARCH 2020 / SEROLOGY**

Test method employed for detection Rheumatoid Factor (RF) at your lab: Latex Agglutination  
Peer group (n) = 342

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

Parameter	Your Result	Your Value (IU/mL)	Intended Result	Robust Mean	Robust SD	Range (IU/mL)	Z & Z'	Max Marks	Your Score
SE1	RF	Negative	Negative	Not Applicable		Not Applicable		2	2
SE2	RF	Negative	Negative	Not Applicable		Not Applicable		2	2
SE3	RF	Negative	Positive	Not Evaluated*		Not Evaluated*		2	2

As >30% participants scored <70% on this exercise, it has been excluded from the final evaluation.

**Disclaimer:**

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

MEMBER ID:

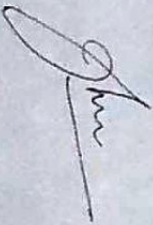
**M 0 9 4 5**

SM1	SM2	SM3	SE1	SE2	SE3	Marks obtained	
1	3	0.5	3	4	NE	11.5	57.5%
4	4	4	4	4	NE	Maximum marks = 20	

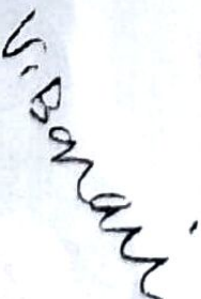
NE-Not Evaluated



Dr. Rani Diana Sahni  
Scientific Co-ordinator



Dr. John A Jude Prakash  
Quality Manager



Dr. V. Balaji  
PT Co-ordinator

Report Dispatch Date: 15.09.2020

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



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

AUGUST 2020

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

MEMBER ID:

M 0 9 4 5

Marks Obtained: 6.5/14 (46.4%)

**AUGUST 2020 / 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		
SMI	Please carry out a Gram stain on the given fixed smear prepared from a CSF specimen of a 3-year-old child presenting with irritability, high grade fever and vomiting for one day.	Presence of host cells & debris (1mark): Many pus cells. Description of Organism/s (2marks): Many pleomorphic Gram negative bacilli. (Predominantly cocco-bacilli along with short/ long slender bacilli) Probable organism (1 mark): <u>Hemophilus spp</u>	NOT EVALUATED		
SM2	Please carry out a Gram stain on the given fixed smear prepared from a voided URINE specimen of a 72-year old man post-TURP, with a history of dysuria and increased frequency for 2 days.	Presence of host cells & debris (1mark): Many pus cells. Description of Organism/s (2 marks): Many Gram positive <u>oval cocci arranged in pairs and short chains along with few spherical cocci arranged in chains.</u> Possible organism (1 mark): <u>Enterococcus spp</u>	0	0.5	1
			1.5	2	2.5
			3	3.5	4

SMT3	Please carry out a Gram stain on the given fixed smear prepared from an EXUDATE specimen of a 22-year-old lady, post-LSCS, presenting with a gaping wound and fever for 2 days.	Presence of host cells & debris (1 mark): <u>Many pus cells.</u> Description of Organism/s (2 marks): Many long slender GNB, Many spherical GPC in groups and scattered forms. Comment/Impression (1 mark): <u>Case of Surgical site infection (SSI)</u>	0	0.5	1
			1.5	<b>2</b>	2.5
			3	3.5	4

**AUGUST 2020 / SEROLOGY**

Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination  
Peer group (n) = 209

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	Positive	-	Negative			Not Applicable		2	0
SE2	CRP	Negative	-	Positive	24.0416	16.3935	3 to 480	NA	2	0
SE3	CRP	Positive	-	Positive	15.3968	9.0577	6 to 240	NA	2	2

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MEMBER ID:

M 0 9 4 5

SM1	SM2	SM3	SE1	SE2	SE3	Marks obtained	
Not Evaluated	2.5	2	0	0	2	6.5	46.4%
	4	4	2	2	2	Maximum marks =14	

Dr. Rani Diana Sahni  
Scientific Co-ordinator

Report Dispatch Date: 30.11.2020

Dr. John A Jude Prakash  
Quality Manager

Dr. V. Balaji  
PT Co-ordinator

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



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DECEMBER 2020

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

MEMBER ID:

M 0 9 4 5

Marks Obtained: 14/18(77.8%)

DECEMBER 2020 / 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 of a 72-year-old gentleman presenting with high grade fever, headache and vomiting for one day.	Presence of host cells & debris (1 mark): Few pus cells Description of Organism/s (2marks): <u>Many (0.5)</u> Gram positive (0.5) lanceolate shaped diplococci (1) Probable organism (1 mark): <u>Streptococcus pneumoniae</u>	0	0.5	1	
			1.5	2	2.5	
			3	<u>3.5</u>	4	
SM2	Please carry out a Gram stain on the given fixed smear prepared from a THROAT specimen of a 6-year old child presenting with a sore throat and fever and malaise for 2 days.	Presence of host cells & debris (1mark): No pus cells Description of Organism/s (2 marks): <u>Many (0.5)</u> Gram positive (0.5) slender club bacilli arranged Chinese letter pattern (1) along with few <u>Gram positive bacilli in palisade arrangement.</u> Possible organism (1 mark): <u>Corynebacterium spp</u>	0	0.5	<u>1</u>	
			1.5	2	2.5	
			3	3.5	4	

SM3	Please carry out a Gram stain on the given fixed smear prepared from a voided URINE specimen of a 66-year-old lady, presenting with frequency and urgency for 2 days.	Presence of host cells & debris (1 mark): Few pus cells, Few epithelial cells Description of Organism/s (2 marks): <u>Many (0.5) Gram positive (0.5) oval yeast like organisms with pseudohyphae (1)</u> Possible organism (1 mark): <u>Candida spp</u>	0	0.5	1
			1.5	2	2.5
			3	<b>3.5</b>	4

**DECEMBER 2020 / 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 (mg/L)	Z & Z' score	Max Marks	Your Score	
SE1 RA	Negative	Not reported	Negative	Latex Agglutination (n-385)	NA	NA	NA	NA	2	2	
SE2 WIDAL*	Incorrect	Incorrect	STO Negative STH Negative Interpretation Negative	Slide Agglutination	Not Applicable					2	2
SE3 CRP	Positive	Not reported	Positive	Latex Agglutination (n-211)	32.6534	19.9562	6 to 768	NA	2	2	

RA: Rheumatoid Factor, CRP: C-reactive Protein. NA: Not Applicable. \*Expected value is determined by the Proficiency Testing Provider (PTP).



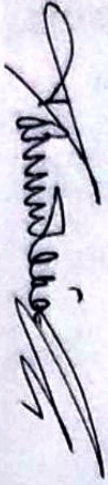
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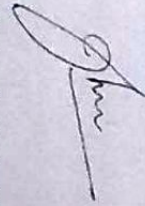
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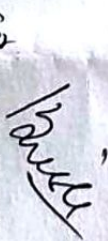
SM1	SM2	SM3	SE1	SE2	SE3	Marks obtained	
3.5	1	3.5	2	2	2	14	77.8%
4	4	4	2	2	2	Maximum marks = 18	



Dr. Rani Diana Sahni  
Scientific Co-ordinator



Dr. John A Jude Prakash  
Quality Manager



Dr. V. Balaji  
PT Co-ordinator

Report Dispatch Date: 28.02.2021

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