

Details of Proficiency testing program

Note:

The Department of Microbiology at ESIC Medical College and Hospital is associated with the Tier 1 EQAS Program from NABL accredited CMC Micro EQAS program from Christian Medical College Vellore, Tamil Nadu, India.

**The Tier 1 testing program comprises of Basic Bacteriology and infectious disease serology testing including (CRP, RF, RPR, WIDAL, ASO) sent on rotational basis.

Panels and Registration Fees -2024			
TIER 1 TESTING			
Basic Bacteriology and Serology testing for the diagnostic laboratory			
Sl.no.	Component	No. of samples x frequency per year	Cost of the panel (Including 18% GST)
1	Bacteriology smear for staining and reporting	3 x 3	Rs. 5,900/-
2	Bacteriology culture for organism identification and antimicrobial susceptibility testing	3 x 3	
3	Serology (CRP, RF, RPR, WIDAL, ASO)	3 x 3	



Parameter	sent for testing from PT centre
CRP	July 2023(3 samples), February 2023(2 samples)
ASO	February 2023 (1 sample)
Widal test	November 2022(1 sample)
RPR test	November 2022(1 sample) June 2021(1 sample)
RA test	June 2021(1 sample)

The samples for the above parameters are sent by the EQAS centre on rotational basis.

As the department holds no liberty of choosing parameters, we request you to kindly consider the above PT reports.

**The samples for the above parameters has already been sent for Inter-laboratory testing for which the reports are awaited.

JULY 2023 / SEROLOGY

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

Peer group (n) = 248

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

	Parameter	Your Result	Your Value (mg/L)	Intended Result	Robust Mean	Robust SD	Range (mg/L)	Uncertainty of Assigned value	Z & Z' score	Max Marks	Your Score
SE1	CRP	Negative	<6	Negative	Not Applicable					2	2
SE2	CRP	Negative	<6	Negative						2	2
SE3	CRP	Positive	6	Positive	28.6615	17.1608	6 to 480	1.4629	-1.3	2	2

Note: CRP (Latex Agglutination) peer group results of SE1 & SE2 evaluation based on interpretation because the Robust Analysis result is cannot be calculated

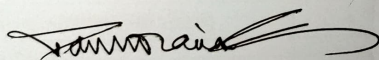
Disclaimer:

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

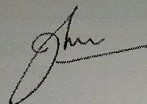
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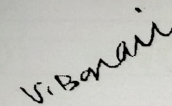
SM1	SM2	SM3	CU1	CU2	CU3	SE1	SE2	SE3	Marks obtained	
3	4	4	19	19	21	2	2	2	76	100%
3	4	4	19	19	21	2	2	2	Maximum marks =76	



Dr. Rani Diana Sahni
Scientific Co-ordinator



Dr. John A Jude Prakash
Quality Manager



Dr. V. Balaji
PT Co-ordinator

Report Dispatch Date: 15.10.23

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

FEBRUARY 2023 / SEROLOGY

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

SE1: Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

Peer group (n) = 266

	Parameter	Your Result	Your Value (mg/L)	Intended Result	Robust Mean	Robust SD	Range (mg/L)	Uncertainty of Assigned value	Z & Z' score	Max Marks	Your Score
SE1	CRP	Negative	Not reported	Negative	NOT APPLICABLE					2	2

SE2: Test method employed for detection Antistreptolysin O (ASO) at your lab: Latex Agglutination

Peer group (n) = 507

	Parameter	Your Result	Your Value (IU/mL)	Intended Result	Robust Mean	Robust SD	Range (IU/mL)	Uncertainty of Assigned value	Z & Z' score	Max Marks	Your Score
SE2	ASO	Negative	Not reported	Negative	NOT APPLICABLE					2	2

SE3: Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

Peer group (n) = 261

	Parameter	Your Result	Your Value (mg/L)	Intended Result	Robust Mean	Robust SD	Range (mg/L)	Uncertainty of Assigned value	Z & Z' score	Max Marks	Your Score
SE3	CRP	Positive	12	Positive	25.7046	15.4690	6 to 384	1.2778	-0.9	2	2

NOVEMBER 2022 / 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	STO	STH	
SE1	Widal*	✓		Negative	Negative	Not Suggestive of Enteric Fever / Typhoid Fever	2	2	4

*Negative at 1:20 dilution

	Parameter	Your Result	Intended result	Correct	Incorrect	Max Marks	Your Score	
SE2	RPR/VDRL	Non-Reactive	Non-Reactive	✓		2	2	
	TPHA	NOT DONE						
	Syphilis ELISA							

SE3: Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

Peer group (n) = 207

	Parameter	Your Result	Your Value (mg/L)	Intended Result	Robust Mean	Robust SD	Range (mg/L)	Uncertainty of Assigned value	Z & Z' score	Max Marks	Your Score
SE3	CRP	Positive	12	Positive	31.6832	20.2228	5 to 240	1.7570	-1.0	2	2

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' score	Max Marks	Your Score
SE1	RA	Negative	Not reported	Negative	Latex Agglutination (n-389)	NA	NA	NA	NA	2	2
SE2	CRP	Positive	48 mg/L	Positive	Latex Agglutination (n-206)	32.2239	19.8230	6 to 192	0.8	2	2

NA: Not Applicable

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

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MEMBER ID: **M 0 2 5 3**

SM1	SM2	SM3	CU1	CU2	CU3	SE1	SE2	SE3	Marks obtained	
4	4	3.5	18	17	17	2	2	2	69.5	97.9%
4	4	4	19	17	17	2	2	2	Maximum marks = 71	



Dr. Rani Diana Sahni
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Report Dispatch Date:30.10.2021



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