## OCTOBER 2021 / SEROLOGY

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

SE1 Widal* J		Correct		Parameter
		Incorrect		MULL
Negative		STO		
Negative	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON N	STH		Intended Res
Not Suggestive of Enteric Fever / Typhoid Fever	1 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	Interpretation	の 大学 の できる は 1 mm できる	ed Result
2	一年 のいないとことをあるとう		Max Marks	
2		Score	Your	

Experied value is determined by the Proficiency Lesting Provider (PTP).

SE3 CRP		SEZ ASO		Farameter
Positive		Negative		Result
26.83 mg/L		58 IU/mL		
Positive		Negative		Result
(n-415)		(n-203)	T. 1.	Мешой
76.8130		62.4744	Short San District of the San	Mean
13.8291		22.0452	THE STATE OF THE PARTY OF THE P	Kobust
0.043 to 987	400	0.067 to	STATE OF THE PERSON AND PROPERTY.	Kange
-3.6		-0.2	DEOLG	Z & Z
2		2	CHIPTAT	Max
-		2	bcore	Your

### 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 0 5 8

4	4	IMS
4	4	SM2
4	4	SM3
17	17	CU1
17	17	CU2
19	19	CU3
2	2	SE1
2	2	SE2
2	1	SE3
Maximu	70	Mark
m marks = 71	98.6%	Marks obtained
程是可包括的特色		NO SEPTEMBER

TOWN DEWINDOW

Dr. Rani Diana Sahni Scientific Co-ordinator

Report Dispatch Date: 15.03.2022

î

Dr. John A Jude Prakash Quality Manager

Dr. V. Balaji

Dr. V. Balaji PT Co-ordinator



#### **EQAS DETAILS**

Department	clinical microbiology
EQAS Details	EQAS Specify: IAmn scons-microbrological Specify:
Cycle	109
Sample No.	NO
Lot no.	_ NA
Expiry Date .	NB
Sample Receiving Date	10/12/21
Sample Processing Date	14/12/21
Results send on	14/12/21
Result received on	2/4/22
Comments (if any)	

Sample Processed By

Sign:

Name: Karappsan

**Approved By** 

Sign:

Name:\_\_

Amendment No: 00

IMPORTANT!! All sera are potentially infectious. Adequate universal precautions to be used while handling the specimens

Note: Do not use tick marks; encircle as necessary

#### C-reactive protein (CRP)

SE3: Serum specimen from 38-year old adult with acute fever of 4 days duration.

S.	Subject		C-react	ive protein (CRP)*
no		Report		Value in (mg/L)
1	SE3	Positive Negative		26.83
2	Your Normal Range	Less Items	5.0	
3	Method	Qualitative	Latex agglu	tination
			No.	Y A STATE OF THE S
		Semi-Quantitative	Latex agglu	tination
		Quantitative	Nephelome	try / Turbidimetry / ELISA / CLIA / Others:
4	Name of the kit used	CRP4		
5	Manufacturer (Name, City, Country)	Roche	64B3	
6	Lot No.	555 900		- 13/10/13
7	Expiry date of kit	555 900		
8	Automation used			(Yes) No
9	If yes, give details of	Model: Coha	-6000	
	Automation used	Manufacturer: R		
		City:		Country: Calymany

\* It is understood that the value mentioned is in mg/L only

Laboratory / Institution Name: Bioline Leboratory - califal Date of Dispatch: 14/12/2)

Authorized signatory

Signature:

Name:

Tashera

IMPORTANT!! All sera are potentially infectious. Adequate universal precautions to be used while handling the specimens

Note: Do not use tick marks; encircle as necessary

#### Antistreptolysin O (ASO)

SE2: Serum specimen from 10-year old child with fever and sore throat for 3 days duration.

S.	Subject		Antistreptolysin O (ASO)				
no		Report		Value in (IU/mL)			
1.	SE2	Positive / Negative		58			
2	Your Normal Range	Less than 200		WHITE WATER TO THE			
3	Method	Qualitative	Latex aggluti				
		Semi-Quantitative	Latex aggluti	nation			
		Quantitative	Nephelometr	Turbidimetry) ELISA / CLIA/ Others:			
4	Name of the kit used	ASLOT					
5	Manufacturer (Name, City, Country)	Rochs, Chermany					
6	Lot No.	549194					
7	Expiry date of kit	7/22		·			
8	Automation used		(A	(es) No			
9	If yes, give details of	Model: Cobay - 6000					
	Automation used						
		Manufacturer: Roc	he				
	MILT TOWNS	- 1 - 1					
	1	City:	C	Country: Colemany			

IMPORTANT!! All sera are potentially infectious. Adequate universal precautions to be used while handling the specimens
Note: Do not use tick marks; encircle as necessary

Widal SE1: Serum specimen from 45-year old patient with acute febrile illness of 5 days duration.

Subject	STO	STH	Interpretation
SE1	Less thens 1:20 dilutur	Less Ikan 1:20 dilectron	Negative
Your Normal Range	Less than 1	:20 dilution	
Method		1	agglutination
Name of the kit used	Tydal		
Manufacturer (Name, City, Country)	Talip		
Lot No.	41006		
Expiry date of kit	3/22		
	Your Normal Range  Method  Name of the kit used  Manufacturer (Name, City, Country)  Lot No.	Your Normal Range  Less then 1: 20 diluture  Less than 1  Method  Tut  Name of the kit used  Manufacturer (Name, City, Country)  Lot No.  Lot No.  Lot No.  Lot No.  Lot No.	SEI  Less then tess then 1: 20 diluter 1: 20 diluter  Your Normal Range  Less then 1: 20 diluter  Method  Tube agglutination or slide  Name of the kit used  Manufacturer (Name, City, Country)  Lot No.  41006

Ser/Pl N 00075-4 14/12/21 ASLOT 14:10:56 58 bmserv

Ser/PI N 00075-5 14/12/21 CRP4 14:10:56 26.83

Done by Karapp samy Sogolosoury

Verified by Josher Jam.



#### EQA CORRECTIVE ACTION CHECKLIST

All columns should be filled for individual outliners in a sample.

A	Il columns should be filled for i	ndividual outliners	in a sample.	
Department	clinical mic	rohiology	Branch	Calicat
Cycle	109	8 ()	Sample	1Amm ECCAS microbiology
Analysis Date	Analysis Date 14/12/21		Analyte	CRP
Mean of comparator	76.81		Our value	26.83
SDI or Z-score	-3.6		% deviation	NA
Specimen Handing				Remarks, if any
Samples received in good condition		Yes	O No	
Samples stores/prepared appr	ropriately	⊗ Yes	O No	
Integrity of the sample is accept	otable	<b></b> Yes	O No	
Clerical				
Correct result entered		Ø Yes	O No	
Correct use of decimal points a	and units	Yes	O No	
Calculation, if any, perform automated)	ed correctly (even if	Yes	O No	
Conversion factors applied submission	I to results before	⊗ Yes	O No	
Registration and Mean for Comparison	on			
Registered correct method/inst	trument group	Yes	O No	
Changed method or instrume EQA provider	nt without notification to	O Yes	<b>⊘</b> No	
Mean for comparison changed participante returning results instrument		O Yes	⊙⁄No	
An obvious bias between means (check histogram and s		O Yes	<b>⊘</b> No	
Internal Quality Control				
IQC % deviation (at similar co of sample analysis is acceptab		O Yes	€No	
Shift in IQC in the periods just sample analysis	st before and after EQA	O Yes	No	
Trends in IQC in the periods sample analysis	before and after EQA	O Yes	€No	
Random IQC variation on sam IQC range of morning and eve		O Yes	ONO.	
Error dueto imprecision; che deviation compared to deviatio		O Yes	ONO	
IQC target correctly assigned		Yes	O No	
BL/QA/EQA - Check				Amendment No: 00



#### EQA CORRECTIVE ACTION CHECKLIST

Labolatory		The state and the second	Reservation of the second			
Calibration	columns should be filled for inc	lividual outliners	s in a sample.			
Date of calibration	22/11/21					
Calibration frequency acceptab	le	<b>O</b> Yes	O No			
Last calibration acceptable		O'Yes	Q No			
Instrument					in the second	
Daily maintenance performe analysis	d on date of sample	© Yes	O No			
Special maintenance performed	d prior to sample analysis	O Yes	<b>⊘</b> No			
Instrument operated correctly		© Yes	O No			
Operator fully trained		Q Yes	O No			THE V
Reagents						
Reagent prepared on/ opened of	on date 2°	2/11/21				
Reagent stored correctly		₩es .	O No			
Reagents within open vial stabil	lity		O No			
EQA sample						
Initial value	26	83				
Rerun value			z score	calco	lated - 0.65	
Issue observed in previous concentration (check % deviation	EQA samples at sim		ONO			
All parameters affected (to the reconstitution erroe (check % de	e same extend) – possi eviation on summary page	ble O Yes	9 No			
EQA sample	W-99/WW9					
Conclusion		Correc	ctive action			
Calibration fre	ahen4 à arred	ullo F	The po	10. N 80	imple is	
lac is wilkin			vened			
					ow the	
howev gide of a	he meets sugges					
imidem EAAAA					kin limit	
			scove		. 64	
Done By	Jishilha		Date	27	14122	
Approved By	Joshers		Date		14/22	
Reviewed By	J. J. Cerry		Date	27	4) 2	

Ser/P1 27/04/22 10:56:21 bmserv	N	00005-1 CRP4 2.90	SE I	
Ser/P1 27/04/22 10:56:21 bmserv	N	00005-2 CRP4 2,35	SE 2	
Ser/P1 27/04/22 10:56:21	N	00005-3 CRP4 85.76	SE 3	

Done by

Sistilla dalah

Variated by Just 1000



#### CORRECTIVE ACTION REPORT

Department	clinical microbiology
	EQAS Specify: Imm-ECAS - microbiology
Programme	OTHERS Specify:
Cycle / Sample No.	109
Month & Year	001-2021
Nature of non- conformance	CRP Result outlier
Corrective / Preventive action taken	nstrament and the results are with
Review during the next EQAS / Effectiveness of Corrective Action	rext lime

Prepared By

Approved By

Name:

Sign:

Name Sign:

AMENDMENT NO: 00



106<sup>th</sup> IAMM EQAS Microbiology: Bacteriology/ Serology
Department of Clinical Microbiology, Christian Medical College, Vellore-632004, Tamil Nadu
Email: eqas@cmcvellore.ac.in Phone: 0416-2282588



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

DECEMBER 2020

106th EQAS EVALUATION REPORT

MEMBER ID: M

M 0 0 5 8

Marks Obtained: 62.5/67(93%)

#### 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 Question Number		Question Expected Report			
SM1 Please carry out a Gram stain on the given fixed smear	Presence of host cells & debris (lmark): Few pus cells	0	0.5	1	
	prepared from a CSF specimen of a 72-year-old gentleman presenting with high grade	Description of Organism/s (2marks): Many (0.5) Gram positive (0.5) lanceolate shaped diplococci (1)	1.5	2	2.5
	fever, headache and vomiting for one day.	Probable organism (1 mark): Streptococcus pneumoniae	3	(55)	4
SM2 Please carry out a Gram stain on the given fixed smear	Presence of host cells & debris (lmark): No pus cells	0	0.5	1	
	prepared from a THROAT specimen of a 6-year old child presenting with a sore throat	Description of Organism/s (2 marks): Many (0.5) Gram positive (0.5) slender club bacilli arranged Chinese letter pattern (1) along with few Gram positive bacilli in palisade arrangement.	1.5	2	2.5
and fever and malaise for 2 days.	Possible organism (1 mark): Corynebacterium spp	3	3.5	4	

CU3: Isolated as the predominant organism from an EXUDATE specimen of a left lower limb ulcer from a 63-year-old diabetic woman. FINAL IDENTIFICATION: Proteus mirabilis

Microscopy (Gram stain + Motility)		0 0.5 (L)
Salient culture and biochemical findings enabling final identification	gs enabling final	1 2 3 4
(Minimum 3 key characteristics)		

Meropenem	Ertapenem	Piperacillin- Tazobactam	Levofloxacin	Co-trimoxazole	report	Susceptibility
≥23	222	过	≥21	>16	Zone size (mm)	
≤1.0	≤0.5	≥16	≤0.5	≥2/38	MIC (µg/ml)	EXERCTED REPORT
Susceptible	Susceptible	Susceptible	Susceptible	Susceptible	Interpretation	KEPOKI
					Correct	PARTICIPA
					Incorrect	PAKIKIPANI KEPOKI
-101C	-1010	-1 0 1@	-1010	-1010	10 marks	MAKK
mE/ ME/ VME	mE/ME/VME	mE/ME/VME	mE/ ME/ VME	mE/ ME/ VME	Error	TERE OF ERROR

## DECEMBER 2020 / SEROLOGY

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

SE3	SE2	SE1	
CRP	WIDAL*	RA	Parameter
Positive	Correct	Negative	Your Result
50.28 mg/L	Correct	9.3 1U/mL	Your Value
	STO		
Positive	STO STH Negative Negative	Negative	Intended Result
ē	Interpretation Negative	ive	, d
Turbidimetry (n-330)	Slide agglutination	Turbidimetry (n-245)	Method
60.0593		8.5538	Robust Mean
60.0593 10.4966	Not Applicab	4.1086	Robust SD
0.08 to	licable	0.0 to 31.260	Range (mg/L)
-0.9		0.2	Z& Z' score
ы	ы	2	Max Marks
2	2	2	Your Score

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