PC-1033

119th IAMM EQAS Microbiology: Bacteriology/ Serology
CMC MICRO EQAS
Department of Clinical Microbiology,
Christian Medical College, Vellore-632004, Tamil Nadu
Email: eqas@cmcvellore.ac.in , Twitter: @microeqas, Phone: +91-0416-2282588

FEBRUARY 2025 **119th EQAS – SEROLOGY** **MEMBER ID:** M 1 1 7 4

Last date for receiving reports: 30th APRIL, 2025

Instructions:

1. Each individual serum sample to be reconstituted with **0.6ml** of sterile distilled water / deionized water.
2. Please perform required tests and send your results as per the attached tabular format.
3. You are instructed to fill up each column; as this information will be used for assessing your performance.
4. **Do not use tick marks and encircle where ever necessary**
5. Please perform C-reactive protein (CRP) & Syphilis Serology assay on the three serum specimens provided as specified.
6. **C-reactive protein (CRP) levels should be expressed only** in **mg/L; if other units are used, it will be marked as incorrect.**
7. Separate sheets are provided for entering the results.
8. **Evaluation format for Serology:**
   a. **Qualitative (2 marks for each serum)**
      - Result have to be given as Positive or Negative only
      - Correct interpretation: Full marks (2 marks)
      - Wrong Interpretation: Zero mark (0 mark)
   b. **Semi quantitative / Quantitative (2 marks for each serum)**

      We will assess by robust analysis (as per **ISO: 13528:2015**) using participants results for different peer groups (Nephelometry, Turbidimetry, etc.,) and marking format as based on Z & Z' score, which is as given below.

Z & Z' score system for Values

Z & Z' Score	Category	Marks for values
≤ 2	Correct	2 marks
>2 but < 3	Partially correct	1 mark
≥ 3	Incorrect	0 mark

Note: As multiple assays have been requested for SE3, kindly mark 'ND' if the assay is not performed at your centre.

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

SE1: C-reactive protein (CRP)

SE1: Serum specimen from 52-year female with acute febrile illness with rash.

S.no	Subject	C-reactive protein (CRP)		Result mg/L*
1	**Method**	Qualitative	Latex agglutination	Positive / Negative
		Semi Quantitative	Latex agglutination	mg/L
		Quantitative	Nephelometry	mg/L
			Turbidimetry	< 5 mg/L
			ELISA	mg/L
			CLIA	mg/L
			Others:	mg/L
2	**Your Normal Range**	< 5 mg/L		
3	**Name of the kit used**	CRP-		
4	**Manufacturer (Name, City, Country)**	BECKMAN COULTER		
5	**Lot No.**	2579		
6	**Expiry date of kit**	September 25		
7	**Automation used**	Yes / No		
8	**If yes, give details of Automation used**	Model: BECKMAN COULTER Manufacturer: City: Country: USA.		

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

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

SE2: C-reactive protein (CRP)

SE2: Serum specimen from 40-year male with acute febrile illness.

S.no	Subject	C-reactive protein (CRP)		Result mg/L*
1	**Method**	Qualitative	Latex agglutination	Positive / Negative
		Semi Quantitative	Latex agglutination	mg/L
		Quantitative	Nephelometry	mg/L
			Turbidimetry	78.1 mg/L
			ELISA	mg/L
			CLIA	mg/L
			Others:	mg/L
2	**Your Normal Range**	< 5 mg/L		
3	**Name of the kit used**	CRP		
4	**Manufacturer (Name, City, Country)**	Beckman Coulter, USA.		
5	**Lot No.**	2579		
6	**Expiry date of kit**	September - 25		
7	**Automation used**	~~Yes~~ / No		
8	**If yes, give details of Automation used**	Model: Beckman Coulter Manufacturer: City:	Country: USA.	

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

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

SE3. Syphilis Serology

SE3: Serum specimen from 26-year old pregnant woman in 1st trimester.

S. no	Subject	Syphilis Serology			
		RPR / VDRL	TPHA	Syphilis ELISA	Other Test
1	Result	NON REACTIVE			
2	Units/ Dilution	< 1 : 1 dilution.			
3	Name of the kit used	RECKON – RPR.			
4	Manufacturer Name	RECKON.			
	City	VADODARA.			
	Country	INDIA.			
5	Lot No.	24HK77V.			
6	Expiry date of kit	JULY 2026.			
7	Automation used	Yes / (No)	Yes / No	Yes / No	Yes / No
8	If yes, give details of Automation used	Model: Manufacturer: City: Country:	Model: Manufacturer: City: Country:	Model: Manufacturer: City: Country:	Model: Manufacturer: City: Country:

Laboratory / Institution Name:

Date of Dispatch: 22/06/2025

Authorized signatory:

Signature: Sadiya

Name: Dr. SADIYA SULTANA