CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JUNE 2023

PC-1024

Lab Name	MEDRAY CLINICS PVT LTD	**Lab No**	17475
Constituent Group	Chemistry I	**Date of Result Entered :**	16/06/2023
PT item	Lyophilized human serum based	**Date of Report Published :**	04/07/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1157	123.88	6.67	8.26	138 mg/dL	1.71	0.49
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	759	48.17	9.57	4.61	46.9 mg/dL	-0.28	0.33
3	CREATININE	Jaffes End point	Any Analyser (Automation / Semi Automation)	332	2.01	9.39	0.19	2.49 mg/dL	2.54	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1028	2.93	12.68	0.37	3.39 mg/dL	1.24	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1151	5.92	7.83	0.46	5.48 g/dL	-0.95	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	829	3.54	7.30	0.26	3.56 g/dL	0.08	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	968	10.07	7.04	0.71	10.26 mg/dL	0.27	0.05
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1029	5.37	15.52	0.83	4.26 mg/dL	-1.33	0.05
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1201	124.53	6.12	7.62	134.11 mg/dL	1.26	0.44
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1112	176.08	8.42	14.82	168.5 mg/dL	-0.51	0.89
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	862	29.06	13.00	3.78	31.7 mg/dL	0.70	0.26
12	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1094	66.44	12.71	8.45	77 U/L	1.25	0.51
13	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1006	42.17	19.32	8.15	54.1 U/L	1.46	0.51
14	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	938	105.30	10.80	11.37	189 U/L	7.36	0.74

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ±1.01 to ±2.00	Good.
Within ±2.01 to ±2.99	Accept with caution. Warning Signal.
Beyond ±3.0	Unacceptable performance. Action Signal.

LAB ADDRESS :
MEDRAY CLINICS PVT LTD
NO.962, 12TH MAIN ROAD, NEAR RELIANCE DIGITAL HALL 2ND STAGE, INDIRA NAGAR
BANGALORE
KARNATAKA560008

Investigation checklist/Form

Survey information: CMC Vellore JUN-2023

Survey Name	Chemistry 2	**Analyzer name/Model**	Autochem Expert
Date survey received	04/07/2023	**Date of analysis performed**	16/06/2023
Date survey result submitted	16/06/2023	**Date of report receipt**	04/07/2023
Investigation performed by	prashanth	**Date of evaluation**	07/07/2023

Unacceptable parameter Name: **Date of retesting:**

Specimen	Analyte	Reported value	Repeated value	Intended/peer group value
Lyophilysed ~~ALP JUN-2023~~	ALP	189 U/L	—	105.30 U/L

Root cause Analysis			
Clerical	**Yes**	**No**	**NA**
1. Was the results correctly transcribed from instrument readout or report?	✓		
2. Was the correct instrument /method reagent reported on the result form?	✓		
3. Does the result reported on the result form match the result found on the proficiency testing evaluation report ?	✓		
Procedural			
1. Was the written procedure followed?	✓		
2. Were the reagents within their open stability limit during analysis?	✓		
3. Were Quality Control results acceptable and without bias?	✓		
4. Were dilutions performed correctly?			✓
Analytical			
1. Was the most recent calibration acceptable and within established limits at the time of testing?	✓		
2. Does a review of the past proficiency testing results indicate evenly distributed data without bias?		✓	
3. Was the intended result within measuring range for the instrument?	✓		
4. Was instrument maintenance performed on schedule?	✓		
5. Does a review of records indicate that there were no related instrument test problems noted prior to or after the proficiency testing as performed?	✓		
PT /EQAS material			
1. Was proficiency testing material received in the laboratory within an appropriate time after shipment?	✓		
2. Was proficiency testing material received at the appropriate temperature?	✓		
3. Were results graded in the appropriate peer group based on the method reported on the result form?	✓		

Conclusion /Summary: Random error suspected, To observe for next survey result.

Type of error

Method related		**Survey evaluation problem**	
Technical process related	✓	**Other (define below)**	
Clerical			

Preventive actions (If any) - To perform recalibration with fresh calibrators.

Review and approval:

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MONTHLY SUMMARY REPORT - JUNE 2023

PC-1024

Lab Name	**MEDRAY CLINICS PVT LTD**	**Lab No**	**17475**
Constituent Group	**HbA1c**	**Date of Result Entered :**	**16/06/2023**
PT item	**Lyophilized human whole blood based**	**Date of Report Published :**	**04/07/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	HbA1c	HPLC-Ion Exchange	Any Analyser	164	6.34	8.79	0.56	6.1 %	-0.43	0.09

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ±1.01 to ±2.00	Good.
Within ±2.01 to ±2.99	Accept with caution. Warning Signal.
Beyond ±3.0	Unacceptable performance. Action Signal.

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Pamela Christudoss

Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore

Coordinator Contact Details:
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Contact Number: 0416-2283102

Homogeneity and Stability of the sample is passed.
Data in CMC EQAS reports is confidential
CMC EQAS does not sub contract any components
********* End of Report ********