LAB MONTHLY SUMMARY

Lab Name BANSAL HOSPITAL Lab No 14345

Month January Year 2021

Constituent Group Chemistry I

Date of Result Entered : 20/01/2021

Date of Report Published : 05/02/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	Hexokinase	Siemens (Advia Series / Dimension Series)	77	124.35	4.46	5.54	128.3 mg/dl	0.71	1.26
2	UREA	Urease UV / GLDH	Siemens (Advia Series / Dimension Series)	94	30.16	8.29	2.50	15 mg/dl	-6.06	0.52
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Siemens (Advia Series / Dimension Series)	87	1.58	6.76	0.11	1.56 mg/dl	-0.19	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Siemens (Advia Series / Dimension Series)	95	2.28	6.41	0.15	2.1 mg/dl	-1.23	0.03
5	T-PROTEIN	Biuret - Colorimetric	Siemens (Advia Series / Dimension Series)	99	4.81	4.39	0.21	5 g/dl	0.90	0.04
6	ALBUMIN	BCP - Bromocresol purple (colorimetric)	Siemens (Advia Series / Dimension Series)	68	2.89	6.69	0.19	2.8 g/dl	-0.47	0.05
7	CALCIUM	OCPC (O - Cresolpthalein Compleazone)	Siemens (Advia Series / Dimension Series)	49	7.88	6.76	0.53	8.1 mg/dl	0.41	0.15
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Siemens (Advia Series / Dimension Series)	57	3.92	4.24	0.17	4 mg/dl	0.48	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Siemens (Advia Series / Dimension Series)	94	4.66	3.69	0.17	4.8 mg/dl	0.81	0.04
10	CHOLESTEROL	CHOD-PAP	Siemens (Advia Series / Dimension Series)	98	86.25	6.83	5.90	83 mg/dl	-0.55	1.19
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Siemens (Advia Series / Dimension Series)	96	130.33	4.96	6.47	129 mg/dl	-0.21	1.32
12	HDL CHO	Direct method / Enzymatic colorimetric	Siemens (Advia Series / Dimension Series)	88	24.21	6.47	1.57	25 mg/dl	0.50	0.33
13	SODIUM	ISE - Indirect	Siemens (Advia Series / Dimension Series)	143	141.07	3.95	5.57	144 mmol/L	0.53	0.93
14	POTASSIUM	ISE - Indirect	Siemens (Advia Series / Dimension Series)	142	2.99	5.35	0.16	3 mmol/L	0.06	0.03
15	CHLORIDE	ISE - Indirect	Siemens (Advia Series / Dimension Series)	111	103.61	3.53	3.66	104 mmol/L	0.11	0.69
16	AST	UV kinetic with PLP (P-5-P)	Siemens (Advia Series / Dimension Series)	91	80.33	7.65	6.15	86.6 U/L	1.02	1.29
17	ALT	UV kinetic with PLP (P-5-P)	Siemens (Advia Series / Dimension Series)	83	76.17	8.29	6.31	79 U/L	0.45	1.39

18	ALP	PNP AMP kinetic	Siemens (Advia Series / Dimension Series)	90	76.75	8.25	6.33	80 U/L	0.51	1.34
19	MAGNESIUM	Others (Any other principles / Methods))	Any Analyser (Automation / Semi Automation)	92	1.97	10.72	0.21	2 mg/dl	0.14	0.04

SDI Range	Interpretation
Within -1.0 to +1.0	Excellent.
Between ±1.0 to ±2.0	Good.
Between ±2.0 to ±3.0	Accept with caution. Warning Signal.
Beyond ±3.0	Unacceptable performance. Action Signal.

Homogeneity and Stability of the sample is passed.

Data in CMC EQAS reports is confidential

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Pamela Christudoss

Dr. Pamela Christudoss
CMC EQAS Co-Ordinator
Christian Medical College, Vellore

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

5/2/21

LAB / DEPARTMENT:	Pathology - Biochemistry
PT PROGRAM:	CMC - EQAS - 2021
CYCLE & SAMPLE/SURVEY:	Jan'2021 / chemistry I
ANALYTE:	Urea

	Yes	No	Not applicable
SAMPLE RECEIPT			
Was the kit received timely and in good condition?	✓		
Was the correct program/cycle/survey received?	✓		
Was the kit stored at the proper temperature following receipt?	✓		
SAMPLE PREPARATION			
Was the correct reconstitution instruction followed (handling, time, temperature)?	✓		
Was a calibrated pipette used for reconstitution?	✓		
Was distilled or deionized water used for reconstitution?	✓		
Was the sample mixed according to the package insert prior to testing?	✓		
Was the sample labeled accurately?	✓		
REAGENT			
Was the test reagent stored correctly?	✓		
Was the test reagent properly prepared?	✓		
Was the test reagent within the expiry date?	✓		
Was lot to lot verification acceptable for the reagent lot used during analysis of PT specimen?	✓		
INSTRUMENT			
Check Daily / Weekly / Monthly maintenance logs. Was instrument maintenance performed on schedule?	✓		
Was the technician performing maintenance trained for the same?	✓		
Was the instrument operating correctly on the day the sample was tested?	✓		
Was the lab environment acceptable for the instrument (temperature, humidity)?	✓		
Was Instrument calibration valid at the time of testing the PT material?	✓		
Check Instrument History card. Was there any instrument related problem noted prior to or when the PT was tested?	✓		
CALIBRATION			
Was the last analyte calibration acceptable?	✓		
Was the last calibration within the manufacturer's recommended dating?	✓		
INTERNAL QUALITY CONTROL			
Was the IQC within acceptable range on the day PT sample was run?	✓		

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Was the CV% during the month of PT material testing within acceptable range?	✓		
Were there any shifts or trends in IQC just before / after the PT sample was run?	✓		
Whether lab mean & lab SD or manufacturer mean & manufacturer SD followed?			
SAMPLE PROCESSING			
Was the correct sample number tested?	✓		
Was the sample at room temperature prior to testing?	✓		
Was the person running the test adequately trained?	✓		
Was the Competency assessment of person performing test was done?	✓		
Was the SOP followed? Check insert for recent procedural changes.	✓		
REPORTING RESULTS			
Was the test configuration correct (instrument, method and reagent)?	✓		
Have the results been reported correctly (match instrument printout)?	✓		
Was the correct unit reported?	✓		
Was the decimal symbol placed correctly when reported?	✓		
Was the reported result within the instrument's linear range?	✓		
Was the calculation of the reported result done correctly?	+	✓	
Was the result reported on time?	✓		
SAMPLE RETEST			
Was the PT sample retested following receipt of PT sample report?		✓	
If yes, was the result within acceptable limits for the PT sample?			✓
PT EVALUATION			
Are your results graded in the appropriate peer group based on method reported on the result form?	✓		

ROOT CAUSE OF PROBLEM: value of BUN was not converted to urea.

CORRECTIVE ACTIONS: ILC required or not: ILC not required. only calculation error.

PREVENTIVE ACTIONS: (IF APPLICABLE) -

BUN is to be converted to urea before entering result.

5/2/21