



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - JANUARY 2024



PC-1024

Lab Name **WELL DYNAMIC DIAGNOSTIC PVT LTD** Lab No **19022**
Constituent Group **Chemistry I** Date of Result Entered : **15/01/2024**
PT item **Lyophilized human serum based** Date of Report Published : **06/02/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1085	124.31	6.16	7.66	114 mg/dL	1.34	0.47
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	937	36.03	11.25	4.05	36.7 mg/dL	0.17	0.26
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	811	1.75	10.50	0.18	1.76 mg/dL	0.05	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	931	2.04	15.85	0.32	2.3 mg/dL	0.80	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1115	5.24	6.24	0.33	4.65 g/dL	-1.80	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1035	3.14	9.56	0.30	3 g/dL	-0.47	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	917	8.87	6.62	0.59	8.7 mg/dL	-0.29	0.04
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1037	5.16	11.96	0.62	4.53 mg/dL	-1.02	0.04
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1074	111.60	6.78	7.56	107 mg/dL	-0.61	0.46
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1092	148.75	6.31	9.38	137.4 mg/dL	-1.21	0.57
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	868	27.20	9.93	2.70	24 mg/dL	-1.18	0.18
12	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1048	105.39	7.40	7.80	114.2 U/L	1.13	0.48
13	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1048	44.50	13.19	5.87	46 U/L	0.26	0.36
14	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	883	182.76	9.88	18.06	220 U/L	2.06	1.22
15	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	114	87.10	18.54	16.15	71.3 ug/dL	-0.98	3.03

u* - Method of Uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
$ z \geq 3.0$	Unacceptable (action Signal)

LAB ADDRESS :

WELL DYNAMIC DIAGNOSTIC PVT LTD
139, POCKET-4, SECTOR -22
ROHINI
DELHI110086

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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 *******

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.968	3.050	0.51	Too Few	2.8	Too Few	101	Too Few	
Alkaline Phosphatase	354.034	368.000	0.35	Too Few	3.9	Too Few	117	Too Few	
ALT (GPT)	149.348	155.000	0.41	Too Few	3.8	Too Few	110	Too Few	
AST (GOT)	154.253	152.000	-0.16	Too Few	-1.5	Too Few	120	Too Few	
Bilirubin, Direct	1.577	1.900	1.30	Too Few	20.4	Too Few	60	Too Few	
Bilirubin, Total	4.794	5.280	1.05	Too Few	10.1	Too Few	70	Too Few	
Calcium	12.360	12.100	-0.42	Too Few	-2.1	Too Few	110	Too Few	
Chloride	112.942	No Result		Too Few		Too Few		Too Few	
Cholesterol	293.035	297.000	0.26	Too Few	1.4	Too Few	120	Too Few	
Creatinine	4.008	3.980	-0.09	Too Few	-0.7	Too Few	120	Too Few	
Glucose	276.748	286.000	0.65	Too Few	3.3	Too Few	90	Too Few	
HDL-Cholesterol	98.383	83.200	-1.20	Too Few	-15.4	Too Few	64	Too Few	
Magnesium	1.819	No Result		Too Few		Too Few		Too Few	
Phosphate, Inorganic	6.961	No Result		Too Few		Too Few		Too Few	
Potassium	6.127	No Result		Too Few		Too Few		Too Few	
Protein, Total	4.631	4.700	0.28	Too Few	1.5	Too Few	120	Too Few	
Trig Total	253.416	248.000	-0.23	Too Few	-2.1	Too Few	120	Too Few	
Urea	119.492	108.300	-1.23	Too Few	-9.4	Too Few	63	Too Few	
Uric Acid (Urate)	9.240	10.000	1.28	Too Few	8.2	Too Few	61	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	4.099	4.040	-0.26	Too Few	-1.4	Too Few	120	Too Few	
Alkaline Phosphatase	187.093	194.800	0.37	Too Few	4.1	Too Few	115	Too Few	
ALT (GPT)	39.381	38.600	-0.22	Too Few	-2.0	Too Few	120	Too Few	
AST (GOT)	40.865	37.100	-1.02	Too Few	-9.2	Too Few	71	Too Few	
Bilirubin, Direct	1.059	1.070	0.07	Too Few	1.0	Too Few	120	Too Few	
Bilirubin, Total	1.676	1.880	1.26	Too Few	12.2	Too Few	62	Too Few	
Calcium	8.958	8.950	-0.02	Too Few	-0.1	Too Few	120	Too Few	
Chloride	97.339	No Result		Too Few		Too Few		Too Few	
Cholesterol	159.339	149.300	-1.21	Too Few	-6.3	Too Few	63	Too Few	
Creatinine	1.547	1.510	-0.31	Too Few	-2.4	Too Few	120	Too Few	
Glucose	111.279	122.900	<u>2.00</u>	Too Few	<u>10.4</u>	Too Few	<u>41</u>	Too Few	
HDL-Cholesterol	49.848	61.410	1.81	Too Few	<u>23.2</u>	Too Few	<u>46</u>	Too Few	
Magnesium	0.966	No Result		Too Few		Too Few		Too Few	
Phosphate, Inorganic	4.674	No Result		Too Few		Too Few		Too Few	
Potassium	3.984	No Result		Too Few		Too Few		Too Few	
Protein, Total	5.894	6.420	1.69	Too Few	<u>8.9</u>	Too Few	<u>49</u>	Too Few	
Trig Total	97.254	113.200	1.75	Too Few	<u>16.4</u>	Too Few	<u>47</u>	Too Few	
Urea	44.713	46.800	0.61	Too Few	4.7	Too Few	93	Too Few	
Uric Acid (Urate)	6.028	6.100	<u>1.50</u>	Too Few	<u>1.19</u>	Too Few	<u>32</u>	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	3.070	3.200	0.78	Too Few	4.2	Too Few	83	Too Few	
Alkaline Phosphatase	346.803	381.100	0.88	Too Few	9.9	Too Few	77	Too Few	
ALT (GPT)	140.166	156.500	1.27	Too Few	11.7	Too Few	61	Too Few	
AST (GOT)	159.503	160.700	0.08	Too Few	0.8	Too Few	120	Too Few	
Bilirubin, Direct	1.737	2.300	<u>2.07</u>	Too Few	<u>32.4</u>	Too Few	<u>40</u>	Too Few	
Bilirubin, Total	5.241	5.990	1.48	Too Few	14.3	Too Few	55	Too Few	
Calcium	12.954	11.630	<u>-2.02</u>	Too Few	<u>-10.2</u>	Too Few	<u>41</u>	Too Few	
Chloride	112.856	No Result		Too Few		Too Few		Too Few	
Cholesterol	298.557	315.800	1.10	Too Few	5.8	Too Few	67	Too Few	
Creatinine	3.940	4.080	0.46	Too Few	3.5	Too Few	105	Too Few	
Glucose	277.724	265.200	-0.87	Too Few	-4.5	Too Few	77	Too Few	
HDL-Cholesterol	97.877	119.100	1.69	Too Few	<u>21.7</u>	Too Few	<u>49</u>	Too Few	
Magnesium	1.735	No Result		Too Few		Too Few		Too Few	
Phosphate, Inorganic	7.193	No Result		Too Few		Too Few		Too Few	
Potassium	6.205	No Result		Too Few		Too Few		Too Few	
Protein, Total	4.731	5.210	1.92	Too Few	<u>10.1</u>	Too Few	<u>43</u>	Too Few	
Trig Total	249.650	269.800	0.86	Too Few	8.1	Too Few	78	Too Few	
Urea	122.761	124.600	0.20	Too Few	1.5	Too Few	120	Too Few	
Uric Acid (Urate)	9.342	10.300	1.59	Too Few	10.3	Too Few	51	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT

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ABC

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.198	2.160	<u>1.18</u>	Too Few	<u>-1.72</u>	Too Few	<u>38</u>	Too Few	
Alkaline Phosphatase	18.806	22.000	<u>1.97</u>	Too Few	<u>16.9</u>	Too Few	<u>10</u>	Too Few	
ALT (GPT)	12.133	14.300	1.95	Too Few	<u>17.9</u>	Too Few	<u>43</u>	Too Few	
AST (GOT)	12.273	10.900	-1.24	Too Few	-11.2	Too Few	62	Too Few	
Bilirubin, Direct	0.417	0.290	-1.95	Too Few	<u>-30.5</u>	Too Few	<u>43</u>	Too Few	
Bilirubin, Total	0.903	1.010	1.23	Too Few	11.9	Too Few	63	Too Few	
Calcium	6.542	5.980	<u>-1.61</u>	Too Few	<u>-8.59</u>	Too Few	<u>30</u>	Too Few	
Chloride	91.930	No Result		Too Few		Too Few		Too Few	
Cholesterol	118.208	115.700	-0.41	Too Few	-2.1	Too Few	111	Too Few	
Creatinine	0.878	0.980	1.51	Too Few	11.6	Too Few	54	Too Few	
Glucose	36.710	38.200	0.79	Too Few	4.1	Too Few	82	Too Few	
HDL-Cholesterol	52.107	52.370	0.04	Too Few	0.5	Too Few	120	Too Few	
Magnesium	0.493	No Result		Too Few		Too Few		Too Few	
Phosphate, Inorganic	1.462	No Result		Too Few		Too Few		Too Few	
Potassium	2.002	No Result		Too Few		Too Few		Too Few	
Protein, Total	3.977	3.920	-0.27	Too Few	-1.4	Too Few	120	Too Few	
Trig Total	19.886	23.300	<u>1.22</u>	Too Few	<u>17.6</u>	Too Few	<u>10</u>	Too Few	
Urea	14.106	15.100	<u>1.79</u>	Too Few	<u>7.04</u>	Too Few	<u>27</u>	Too Few	
Uric Acid (Urate)	3.162	3.300	0.68	Too Few	4.4	Too Few	88	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

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