



**Dr. Singh Path Lab**  
Caring for Life



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PMC Regn. No. 40660

FULLY AUTOMATED DIAGNOSTIC LAB & CANCER SCREENING CENTRE

To

Ms. Jaita Mazumdar

Accreditation Officer

NABL M(EL)T program

Lab Ref – NABLCL007680

Subj: Explanation of outlier in Biochemistry Eqas

*Date: 8/05/2024*

Mam,

While filling the EQAS results of March 2024 for Biochemistry inadvertently, the value for serum protein was filled as 0.23gm/dl which on checking the raw data was in fact 5.61gm/dl and hence it came as a high Z score. However, we are submitting the previous EQAS results for serum protein of FEB 2024 which was well within the range. It was a typographical error which may kindly be condoned as the lab has been successfully getting good lab results in all previous EQAS participations. Attaching the copies of all the documents asked for.

Regards

**Dr. GAGANDEEP SINGH**  
MD PATHOLOGY  
PMC 40660

Timing : 7:00 am to 7:30 pm | Sunday : 7:00 am to 2:00 pm

• www.drsinghpathlabs.com

Report Consultation & Home Collection facilities available

**ROPAR LAB**

Shop No. 1572/B, D.A.V. School Road, Near Coop Bank, ROPAR (Pb.)

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**MOHALI LAB**

SCO 13-14, Sector-117, Royal Motia Mkt., S.A.S. Nagar (Mohali)

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4:1:21 PM

EQAS March, 2024  
IMG-20240316-WA0013.jpg

MultiCL v2019.07A [EM 200] TLS : Reports > Result Reprint

- Patient Entry(F2)
- Test Parameter(F3)
- Profiles / Calc(F4)
- QC/Calibration(F5)
- Consumables(F6)
- Status Monitor(F7)
- Search(F8)
- Master
- Library(F11)
- Service Check
- Maintenance(F12)
- Settings
- Refresh
- Shut Down

**Patient Report    Result Reprint    Test Statistics    Calibration Trace    Calibration Monitor    Error Log    Reaction Curve    Other**

Last Batch       Patients       Controls       Calibration       Print Lab details       Print Pat ID, Name  
 Deleted Test  
 From : 16-Mar-2024      Patient Name:    
 To : 16-Mar-2024      Patient ID:    
              
     

Filter: Test : ALL      Sample ID : EQAS MARCH 2024      Batch : ALL      Total Tests : 15

Sr #	Sample ID	Patient Name	Test	Result	Unit	Flag	Result Date	Curve #
<input checked="" type="checkbox"/>	311	EQAS MARCH 2024	GLU	185.8	mg/dl	H	03/16/2024 13:03:48	99530
<input type="checkbox"/>	312	EQAS MARCH 2024	HDLC	31.6	mg/dl	L	03/16/2024 13:04:06	99531
<input type="checkbox"/>	313	EQAS MARCH 2024	CA	9.8	mg/dl		03/16/2024 13:04:24	99532
<input type="checkbox"/>	314	EQAS MARCH 2024	UA	3.1	mg/dl	L	03/16/2024 13:04:42	99533
<input type="checkbox"/>	315	EQAS MARCH 2024	PRO	5.61	g/dl	L	03/16/2024 13:05:00	99534
<input type="checkbox"/>	316	EQAS MARCH 2024	SGPTD	95.1	U/L	H	03/16/2024 13:05:18	99535
<input type="checkbox"/>	317	EQAS MARCH 2024	SGOTD	62.6	U/L	H	03/16/2024 13:05:36	99536
<input type="checkbox"/>	318	EQAS MARCH 2024	ALPU	115	U/L		03/16/2024 13:05:54	99537
<input type="checkbox"/>	319	EQAS MARCH 2024	BIDD	0.23	mg/dl		03/16/2024 13:06:13	99538
<input type="checkbox"/>	320	EQAS MARCH 2024	BIT	0.62	mg/dl		03/16/2024 13:06:31	99539
<input type="checkbox"/>	321	EQAS MARCH 2024	UREA	22.7	mg/dl		03/16/2024 13:06:49	99540
<input type="checkbox"/>	322	EQAS MARCH 2024	CRENZ	0.92	mg/dl		03/16/2024 13:07:06	99541
<input type="checkbox"/>	323	EQAS MARCH 2024	TRIG	66.7	mg/dl		03/16/2024 13:07:24	99542
<input type="checkbox"/>	324	EQAS MARCH 2024	CHOL	109	mg/dl		03/16/2024 13:07:43	99543
<input type="checkbox"/>	325	EQAS MARCH 2024	ALBD	3.59	g/dl		03/16/2024 13:08:01	99544





# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name DR. SINGH PATH LAB Lab No 14112  
Constituent Group Chemistry I Date of Result Entered : 18/02/2024  
PT Item Lyophilized human serum based Date of Report Published : 05/03/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Transasia / Erba	1015	262.66	6.28	16.48	262.2 mg/dL	-0.03	1.03
2	UREA	Urease UV / GLDH	Siemens ( Advia Series / Dimension Series )	102	63.71	5.45	3.47	61 mg/dL	-0.78	0.69
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	525	5.75	5.85	0.34	5.94 mg/dL	0.57	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	997	3.00	10.46	0.31	3.16 mg/dL	0.51	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1026	5.50	7.67	0.42	5.46 g/dL	-0.09	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1018	3.33	5.77	0.19	3.47 g/dL	0.73	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	735	10.55	7.49	0.79	11.4 mg/dL	1.07	0.06
8	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1002	7.77	8.34	0.65	8 mg/dL	0.35	0.04
9	CHOLESTEROL	CHOD-PAP	Transasia / Erba	981	109.31	7.99	8.74	111 mg/dL	0.19	0.56
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	982	177.60	7.72	13.72	182.2 mg/dL	0.34	0.88
11	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	763	27.44	9.31	2.56	30.5 mg/dL	1.20	0.19
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1320	127.25	3.44	4.38	126.72 mmol/L	-0.12	0.24
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1314	4.73	5.28	0.25	5 mmol/L	1.08	0.01
14	CHLORIDE	Thiocyanate	Any Analyser (Automation / Semi Automation )	53	98.78	2.47	2.44	96.43 mmol/L	-0.97	0.67
15	ALP	PNP AMP kinetic	Transasia / Erba	958	82.99	14.79	12.28	84 U/L	0.08	0.79

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 :  
DR. SINGH PATH LAB  
#1572/B, D.A.V SCHOOL ROAD, NEAR COOP BANK  
ROPAR  
PUNJAB140001



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name DR. SINGH PATH LAB Lab No 14112  
Constituent Group Chemistry I Date of Result Entered : 16/03/2024  
PT item Lyophilized human serum based Date of Report Published : 06/04/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Transasia / Erba	1019	176.25	5.91	10.41	185.8 mg/dL	0.92	0.65
2	UREA	Urease UV / GLDH	Transasia / Erba	1028	25.73	10.25	2.64	22.7 mg/dL	-1.15	0.16
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	550	0.91	10.61	0.10	0.92 mg/dL	0.10	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	995	0.76	16.38	0.12	0.62 mg/dL	-1.13	0.01
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1071	5.72	7.33	0.42	0.23 g/dL	-13.07	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1051	3.50	4.80	0.17	3.59 g/dL	0.54	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	758	9.70	7.31	0.71	9.8 mg/dL	0.14	0.05
8	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1001	3.23	10.29	0.33	3.1 mg/dL	-0.39	0.02
9	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1071	111.23	8.30	9.24	109 mg/dL	-0.24	0.56
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	853	78.55	11.83	9.29	66.7 mg/dL	-1.28	0.64
11	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	816	28.21	10.88	3.07	31.6 mg/dL	1.10	0.21
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75	135.57 mmol/L	-0.47	0.20
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17	3.55 mmol/L	-0.17	0.01
14	CHLORIDE	Thiocyanate	Any Analyser (Automation / Semi Automation)	59	103.85	4.30	4.47	101.32 mmol/L	-0.57	1.16
15	ALP	PNP AMP kinetic	Transasia / Erba	899	119.01	13.47	16.03	115 U/L	-0.25	1.07

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)

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