



CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD**

Lab No **15616**

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	Biosystems	330	167.44	5.46	9.14	182 mg/dL	1.59	1.01
2	UREA	Urease UV / GLDH	Biosystems	314	24.80	10.71	2.66	27 mg/dL	0.83	0.30
3	CREATININE	Enzymatic Colorimetric	Biosystems	38	0.90	15.96	0.14	0.85 mg/dL	-0.35	0.05
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	231	0.85	17.95	0.15	0.55 mg/dL	-1.97	0.02
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	335	5.70	6.30	0.36	5.8 g/dL	0.28	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	319	3.41	7.90	0.27	3.54 g/dL	0.48	0.03
7	CALCIUM	Arsenazo III	Biosystems	245	9.73	7.94	0.77	10.06 mg/dL	0.43	0.10
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	121	6.68	10.78	0.72	7.34 mg/dL	0.92	0.13
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	310	3.80	10.02	0.38	3.79 mg/dL	-0.03	0.04
10	CHOLESTEROL	CHOD-PAP	Biosystems	324	117.42	5.51	6.47	100 mg/dL	-2.69	0.72
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	309	91.14	9.07	8.26	85 mg/dL	-0.74	0.94
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75	141 mmol/L	0.98	0.20
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17	3.65 mmol/L	0.40	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1112	103.75	3.60	3.74	104.2 mmol/L	0.12	0.22
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	302	58.65	10.24	6.01	64 U/L	0.89	0.69
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	286	89.78	11.43	10.26	105 U/L	1.48	1.21
17	ALP	PNP AMP kinetic	Biosystems	296	125.97	10.51	13.24	129 U/L	0.23	1.54
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	240	71.38	16.88	12.05	78 U/L	0.55	1.56
19	IRON	Ferro Zine (No Protein Removal)	Biosystems	81	154.39	5.05	7.79	150.8 ug/dL	-0.46	1.73

u* - Method of Uncertainty

Z-Score	Interpretation
z ≤ 2.0	Acceptable
2.0 < z < 3.0	Warning Signal

$|z| \geq 3.0$

Unacceptable (action Signal)

LAB ADDRESS :

SPECTRO Q DIAGNOSTICS PVT LTD

PLOT NO:853/4786, 1ST FLOOR, JHANPADA, GOVINDA PRASAD, CUTTACK ROAD, BHUBANESWAN

KHONDHA

ODISHA751006

Coordinator Contact Details:

Email:clinqc@cmcvellore.ac.in

Contact Number: 0416-2283102

Pamela Christudoss

Dr. Pamela Christudoss

CMC EQAS Coordinator

Christian Medical College, Vellore

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 *******



CHRISTIAN MEDICAL COLLEGE

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



Lab Name	SPECTRO Q DIAGNOSTICS PVT LTD	Lab No	15616
Constituent Group	HbA1c	Date of Result Entered :	16/03/2024
PT item	Lyophilized human whole blood 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	HbA1c	HPLC-Ion Exchange	Any Analyser	193	6.93	8.07	0.56	6.5 %	-0.77	0.08

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 :

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2024



PC-1024

Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD**

Lab No **15616**

Constituent Group **Chemistry I**

Date of Result Entered : **20/02/2024**

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	Biosystems	317	252.34	4.10	10.35	274 mg/dL	2.09	1.16
2	UREA	Urease UV / GLDH	Biosystems	309	60.93	7.64	4.66	64 mg/dL	0.66	0.53
3	CREATININE	Enzymatic Colorimetric	Biosystems	37	5.53	9.90	0.55	5.72 mg/dL	0.35	0.18
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	255	3.02	11.86	0.36	2.53 mg/dL	-1.37	0.04
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	326	5.41	6.58	0.36	5.8 g/dL	1.10	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	315	3.21	7.85	0.25	3.2 g/dL	-0.04	0.03
7	CALCIUM	Arsenazo III	Biosystems	244	10.49	7.96	0.84	11.11 mg/dL	0.74	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	91	3.74	10.74	0.40	3.68 mg/dL	-0.15	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	308	7.95	7.40	0.59	8.13 mg/dL	0.31	0.07
10	CHOLESTEROL	CHOD-PAP	Biosystems	334	115.74	5.78	6.69	115 mg/dL	-0.11	0.73
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	298	191.15	5.98	11.43	201 mg/dL	0.86	1.32
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1320	127.25	3.44	4.38	129.1 mmol/L	0.42	0.24
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1314	4.73	5.28	0.25	4.82 mmol/L	0.36	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1025	97.11	3.90	3.79	101.5 mmol/L	1.16	0.24
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	316	74.19	10.66	7.91	71 U/L	-0.40	0.89
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	314	96.36	12.87	12.40	94 U/L	-0.19	1.40
17	ALP	PNP AMP kinetic	Biosystems	307	92.78	11.41	10.59	107 U/L	1.34	1.21
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	228	65.41	18.51	12.11	73 U/L	0.63	1.60
19	IRON	Ferro Zine (No Protein Removal)	Biosystems	84	121.51	10.88	13.22	120 ug/dL	-0.11	2.88

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 :

SPECTRO Q DIAGNOSTICS PVT LTD

PLOT NO:853/4786, 1ST FLOOR, JHANPADA, GOVINDA PRASAD, CUTTACK ROAD, BHUBANESWAN

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Homogeneity and Stability of the sample is passed.

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



CHRISTIAN MEDICAL COLLEGE

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



Lab Name	SPECTRO Q DIAGNOSTICS PVT LTD	Lab No	15616
Constituent Group	HbA1c	Date of Result Entered :	20/02/2024
PT item	Lyophilized human whole blood 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	HbA1c	HPLC-Ion Exchange	Any Analyser	186	6.34	10.53	0.67	7.5 %	1.74	0.10

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 :

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CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD**

Lab No **15616**

Constituent Group **Chemistry I**

Date of Result Entered : **18/01/2024**

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	Biosystems	316	124.96	5.93	7.41	139 mg/dL	1.89	0.83
2	UREA	Urease UV / GLDH	Biosystems	271	35.69	8.08	2.88	36 mg/dL	0.11	0.35
3	CREATININE	Enzymatic Colorimetric	Biosystems	32	1.70	10.11	0.17	1.7 mg/dL	0.00	0.06
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	225	2.21	14.32	0.32	1.99 mg/dL	-0.69	0.04
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	316	5.27	6.81	0.36	5.51 g/dL	0.67	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	292	3.14	6.69	0.21	3.21 g/dL	0.33	0.02
7	CALCIUM	Arsenazo III	Biosystems	215	9.04	8.27	0.75	10.24 mg/dL	1.60	0.10
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	113	6.17	8.18	0.50	6.5 mg/dL	0.65	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	282	5.38	7.71	0.42	5.82 mg/dL	1.06	0.05
10	CHOLESTEROL	CHOD-PAP	Biosystems	296	111.83	5.82	6.50	116 mg/dL	0.64	0.76
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	303	146.36	7.31	10.70	146 mg/dL	-0.03	1.23
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1155	130.94	3.25	4.26	135.5 mmol/L	1.07	0.25
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1188	3.20	5.97	0.19	3.39 mmol/L	0.99	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	969	95.29	4.58	4.37	100 mmol/L	1.08	0.28
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	297	110.05	10.30	11.34	119 U/L	0.79	1.32
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	300	45.10	11.64	5.25	48 U/L	0.55	0.61
17	ALP	PNP AMP kinetic	Biosystems	294	191.19	11.17	21.35	189 U/L	-0.10	2.49
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	224	58.35	19.92	11.62	67 U/L	0.74	1.55
19	IRON	Ferro Zine (No Protein Removal)	Biosystems	71	91.14	10.11	9.21	86.8 ug/dL	-0.47	2.19

u* - Method of Uncertainty

Z-Score	Interpretation
z ≤ 2.0	Acceptable

2.0 < z < 3.0	Warning Signal
z ≥ 3.0	Unacceptable (action Signal)

LAB ADDRESS :

SPECTRO Q DIAGNOSTICS PVT LTD

PLOT NO:853/4786, 1ST FLOOR, JHANPADA, GOVINDA PRASAD, CUTTACK ROAD, BHUBANESWAN

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CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - JANUARY 2024



Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD** Lab No **15616**
Constituent Group **HbA1c** Date of Result Entered : **18/01/2024**
PT item **Lyophilized human whole blood 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	HbA1c	HPLC-Ion Exchange	Any Analyser	163	5.12	9.30	0.48	4.3 %	-1.72	0.07

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)

LAB ADDRESS :

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2023



PC-1024

Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD**

Lab No **15616**

Constituent Group **Chemistry I**

Date of Result Entered : **09/12/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **02/01/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Biosystems	308	200.47	5.48	11.00	214 mg/dL	1.23	1.25
2	UREA	Urease UV / GLDH	Biosystems	316	102.94	7.66	7.88	100 mg/dL	-0.37	0.89
3	CREATININE	Enzymatic Colorimetric	Biosystems	29	7.61	8.57	0.65	7.74 mg/dL	0.20	0.24
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	256	2.10	14.92	0.31	1.99 mg/dL	-0.35	0.04
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	310	5.56	6.42	0.36	5.81 g/dL	0.70	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	287	3.26	6.48	0.21	3.29 g/dL	0.14	0.02
7	CALCIUM	Arsenazo III	Biosystems	227	10.87	7.45	0.81	12.55 mg/dL	2.07	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	109	5.98	8.77	0.52	6 mg/dL	0.04	0.10
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	322	7.53	7.98	0.60	7.69 mg/dL	0.27	0.07
10	CHOLESTEROL	CHOD-PAP	Biosystems	328	123.45	7.14	8.81	130 mg/dL	0.74	0.97
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	319	116.00	9.71	11.26	128 mg/dL	1.07	1.26
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1288	133.11	3.15	4.19	133 mmol/L	-0.03	0.23
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1296	4.67	5.39	0.25	4.85 mmol/L	0.71	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1055	101.34	3.81	3.86	103.4 mmol/L	0.53	0.24
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	308	99.16	11.41	11.31	96 U/L	-0.28	1.29
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	304	57.67	10.83	6.25	59 U/L	0.21	0.72
17	ALP	PNP AMP kinetic	Biosystems	284	161.27	12.15	19.60	155 U/L	-0.32	2.33
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	227	111.99	18.83	21.09	135 U/L	1.09	2.80
19	IRON	Ferro Zine (No Protein Removal)	Biosystems	70	77.64	9.99	7.76	70.8 ug/dL	-0.88	1.85

u* - Method of Uncertainty

Z-Score	Interpretation
z ≤ 2.0	Acceptable

2.0 < z < 3.0	Warning Signal
z ≥ 3.0	Unacceptable (action Signal)

LAB ADDRESS :

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CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - DECEMBER 2023



Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD** Lab No **15616**
Constituent Group **HbA1c** Date of Result Entered : **20/12/2023**
PT item **Lyophilized human whole blood based** Date of Report Published : **02/01/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	HPLC-Ion Exchange	Any Analyser	175	5.07	9.65	0.49	4.2 %	-1.78	0.07

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)

LAB ADDRESS :

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD**

Lab No **15616**

Constituent Group **Chemistry I**

Date of Result Entered : **20/11/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/12/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Biosystems	304	91.47	6.29	5.75	99 mg/dL	1.31	0.66
2	UREA	Urease UV / GLDH	Biosystems	311	86.89	7.19	6.25	94 mg/dL	1.14	0.71
3	CREATININE	Enzymatic Colorimetric	Biosystems	33	1.12	12.83	0.14	1.13 mg/dL	0.07	0.05
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	250	7.92	9.80	0.78	7.33 mg/dL	-0.76	0.10
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	326	4.03	7.89	0.32	4.27 g/dL	0.75	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	308	2.40	9.04	0.22	2.41 g/dL	0.05	0.02
7	CALCIUM	Arsenazo III	Biosystems	198	8.38	7.94	0.66	10.12 mg/dL	2.64	0.09
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	124	6.84	12.77	0.87	7.74 mg/dL	1.03	0.16
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	288	4.03	7.82	0.32	4.1 mg/dL	0.22	0.04
10	CHOLESTEROL	CHOD-PAP	Biosystems	326	72.68	8.92	6.48	77 mg/dL	0.67	0.72
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	286	169.80	6.51	11.05	180 mg/dL	0.92	1.31
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1238	121.75	3.92	4.78	118.7 mmol/L	-0.64	0.27
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1237	3.31	5.63	0.19	3.35 mmol/L	0.22	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1025	90.44	5.32	4.81	95.8 mmol/L	1.11	0.30
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	302	115.27	12.50	14.41	107 U/L	-0.57	1.66
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	287	31.44	15.93	5.01	30 U/L	-0.29	0.59
17	ALP	PNP AMP kinetic	Biosystems	282	110.97	10.37	11.51	103 U/L	-0.69	1.37
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	244	31.59	18.34	5.79	35 U/L	0.59	0.74
19	IRON	Ferro Zine (No Protein Removal)	Biosystems	69	107.07	7.63	8.17	101.2 ug/dL	-0.72	1.97

u* - Method of Uncertainty

Z-Score	Interpretation
z ≤ 2.0	Acceptable

2.0 < z < 3.0	Warning Signal
z ≥ 3.0	Unacceptable (action Signal)

LAB ADDRESS :

SPECTRO Q DIAGNOSTICS PVT LTD

PLOT NO:853/4786, 1ST FLOOR, JHANPADA, GOVINDA PRASAD, CUTTACK ROAD, BHUBANESWAN

KHONDHA

ODISHA751006

Coordinator Contact Details:

Email:clinqc@cmcvellore.ac.in

Contact Number: 0416-2283102

Pamela Christudoss

Dr. Pamela Christudoss

CMC EQAS Coordinator

Christian Medical College, Vellore

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 *******



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - NOVEMBER 2023



Lab Name	SPECTRO Q DIAGNOSTICS PVT LTD	Lab No	15616
Constituent Group	HbA1c	Date of Result Entered :	20/11/2023
PT item	Lyophilized human whole blood based	Date of Report Published :	05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	HPLC-Ion Exchange	Any Analyser	174	6.28	8.82	0.55	6.1 %	-0.32	0.08

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 :

SPECTRO Q DIAGNOSTICS PVT LTD
PLOT NO:853/4786, 1ST FLOOR, JHANPADA, GOVINDA PRASAD, CUTTACK ROAD, BHUBANESWAN
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Pamela Christudoss
Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore

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CMC EQAS does not sub contract any components
***** End of Report *****



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2023



PC-1024

Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD**

Lab No **15616**

Constituent Group **Chemistry I**

Date of Result Entered : **20/09/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/10/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Biosystems	319	205.89	4.65	9.57	220 mg/dL	1.47	1.07
2	UREA	Urease UV / GLDH	Biosystems	284	103.89	7.17	7.45	109 mg/dL	0.69	0.88
3	CREATININE	Enzymatic Colorimetric	Biosystems	32	7.44	7.85	0.58	7.83 mg/dL	0.67	0.21
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	259	2.13	14.66	0.31	1.48 mg/dL	-2.08	0.04
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	331	5.62	6.30	0.35	5.77 g/dL	0.42	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	303	3.27	7.13	0.23	3.28 g/dL	0.04	0.03
7	CALCIUM	Arsenazo III	Biosystems	217	10.87	6.61	0.72	10.87 mg/dL	0.00	0.10
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	117	5.68	10.62	0.60	5.77 mg/dL	0.15	0.11
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	308	7.58	7.88	0.60	7.5 mg/dL	-0.13	0.07
10	CHOLESTEROL	CHOD-PAP	Biosystems	329	124.28	6.22	7.73	126 mg/dL	0.22	0.85
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	311	115.31	8.09	9.32	114 mg/dL	-0.14	1.06
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1285	133.72	2.84	3.80	135.4 mmol/L	0.44	0.21
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1286	4.72	5.34	0.25	4.93 mmol/L	0.83	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1046	101.71	3.64	3.70	100.9 mmol/L	-0.22	0.23
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	306	102.86	12.21	12.56	93 U/L	-0.79	1.44
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	305	58.80	12.89	7.58	55 U/L	-0.50	0.87
17	ALP	PNP AMP kinetic	Biosystems	306	164.57	12.64	20.81	158 U/L	-0.32	2.38
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	257	117.11	17.97	21.04	131 U/L	0.66	2.62
19	IRON	Ferro Zine (No Protein Removal)	Biosystems	63	75.13	11.01	8.27	74.7 ug/dL	-0.05	2.08

u* - Method of Uncertainty

Z-Score	Interpretation
z ≤ 2.0	Acceptable

2.0 < z < 3.0	Warning Signal
z ≥ 3.0	Unacceptable (action Signal)

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2023



Lab Name **SPECTRO Q DIAGNOSTICS PVT LTD** Lab No **15616**
 Constituent Group **HbA1c** Date of Result Entered : **20/09/2023**
 PT item **Lyophilized human whole blood based** Date of Report Published : **05/10/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	HPLC-Ion Exchange	Any Analyser	179	6.43	8.86	0.57	6 %	-0.75	0.09

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 :

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