

Installation Qualification (IQ)

Company (Name & Add) : Poct Services

Customer (Name & Add) : Clinical Pathology
Sadar Hospital, Kaehahri Road
Begusari - 851101

Contact Person : Vivekanand Jha

Contact Person : Sailesh Kumar

Telephone No. : 8709516573

Telephone No. :

Name of instrument: ASTIRA C-MS

ASTIRA CX400

Serial No. : 22T240TCS04525

Installation Date : 7/10/2023

Installation Requirements confirmation List/checks

Item	Requirement Specification	Qualified	Not Qualified	Remark
Power Supply	100-240V 50/60 Hz	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Grounding condition	Reliable grounding (0 - 5 V)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Drain Equipment (ASTIRA C-MS)	Waste liquid tank is 0.8 m-1m Below the host	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Drain Equipment (ASTIRA CX400)	5m within analyzer, Height : below 100 mm Inner diameter: above 50 mm	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Ground	The ground should be flat, and the worktable can bear at least 150 kg	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Room temperature and humidity	Temperature: 15°C - 32°C Humidity: not more than 75%	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

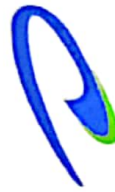


Air-Conditioning		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dehumidifier		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water Supply Equipment (ASTIRA C-MS)	Water supply: above 5L/h Conductivity: below 1µs/cm	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water Supply Equipment (ASTIRA CX400)	Within 5m from analyzer Water Supply: above 40L/h Conductivity: below 1µs/cm	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water Supply Mode		Water Tank <input type="checkbox"/> Purified Water Equipment <input checked="" type="checkbox"/>	
Water supply Capability	Above 5 L/h for ASTIRA C-MS Above 40 L/h for ASTIRA CX400	<u>20</u> L/h	
Direct Sunlight		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Communication interface	Is there a standard network interface?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>



Operational Qualification (OQ)

Installation Procedure	Procedure description	Confirmation	
Unpacking	Check before unpacking	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Preparation before Power on	Packing list Check	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Missing accessories: <u>NA</u>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Analyzer horizontal adjusting and fixing	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Peripheral Equipment connection	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Probe Installation	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Fill Alkaline detergent (1000 ml)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Liquid injection (Cooling Water for ASTIRA CX400)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Host computer software installation, LAN connection with ASTIRA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Check before power on (pipeline and circuit check)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Power on debugging	System login from debug	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Fill pipeline with detergent to expel gas	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Syringe pump gas expelling	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Rinse incubation bath (ASTIRA CX400)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Install cuvettes	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Confirm and adjust probe and mixing bar position	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Confirm and adjust rinsing probe position	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Mechanical action check	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Tubing leakage check	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
	Light Intensity Check	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Cuvette blank Check	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	



POCT SERVICES

Complete Medical Solution

298-281, Transport Nagar, Kanpur Road, Adjacent
Transport Nagar Metro Station, Lucknow- 226 023, UP, INDIA

Tel.: 0522-2433023

E-mail: poctiko@pocservices.com www.pocservices.com

Performing Tests Preparation	System login from main interface	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Parameters, Calibrator & Control data settings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Reagent Loading & volume check	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Optional Parts Confirmation	ISE Chosen	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Reagent Channels		
	Reagent Channels Open <input checked="" type="checkbox"/> to <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Reagent Channels Closed <input type="checkbox"/> to <input type="checkbox"/>		
	Printer Installed (Printer Model: _____)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Online UPS Power Supply	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>



Performance Qualification (PQ)

- Perform cuvette blank test (ASTIRA C-MS) : The cuvette blank value of cuvette 1 should be in the range of 8000 – 18000, and those of cuvette 2-56 should in range of -1500 to+1500. For specific test results, refer to the print report.
- Perform cuvette blank test (ASTIRA CX400) : The cuvette blank value of cuvette 1 should be less than or equal to 18000, and the cuvette blank value of No. 2-120 reaction cuvettes should in range of -800 to+800. For specific test results, refer to the print report.
- Load Calibrator and perform Calibration of ALT,AST 7UREA QC
- Test for Accuracy

Parameter	Analytical Method	Reagent Lot. No.	Calibrator Lot.No. 3210	Control Name and Lot.No.	QC Range	Results
QC Level -1						
ALT	Kinetic	ALSL-0430	3210	1180	36.6-55.6	48.5
AST	Kinetic	ASSL-0430	3210	1180	40.0-57.6	45.8
ALP	Kinetic	PASL-0420	3210	1180	112-162	130.8
QC Level -2						
ALT	Kinetic	ALSL-0430	3210	2170	116.4-167.6	145.4
AST	Kinetic	ASSL-0430	3210	2170	126.1-181.5	145.0
ALP	Kinetic	PASL-0420	3210	2170	259-373	309.0

- Accuracy & Repeatability Test (Use fresh serum sample)

Parameter	ALT	AST	ALP
Test Value 1	144.9	145.0	309.9
Test Value 2	140.5	145.6	308.2
Test Value 3	140.7	142.7	306.0
Test Value 4	140.1	145.0	306.9
Test Value 5	143.1	140.4	309.0
Test Value 6	139.6	144.4	306.6
Test Value 7	142.6	144.4	306.9
Test Value 8	143.1	144.0	308.2



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Test Value 9	143.3	142.7	308.2
Test Value 10	140.3	143.3	308.3
Mean	141.8	143.75	307.82
Standard Deviation	1.679	1.45	1.136
CV%	1.18	1.010	0.368.

*CV % should be $\leq 5\%$

Remarks:

We hereby certify that Instrument validation has been carried out under the Warranty/ AMC. It is verified by evaluating controls and obtained results are satisfactory. Instrument is ready for regular use.

Technical acceptance

Date (dd-mm-yyyy) : 07/10/2023

Service Engineer / Application Person Name

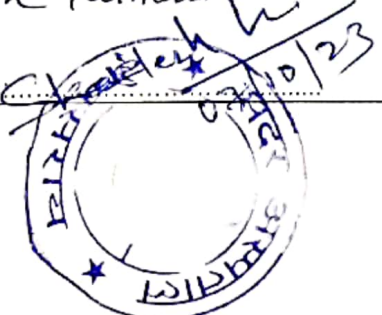
Amit Kumar Singh

Customer Name Clinical Pathology
Sadar Hospital Begusarai

.....

Signature :

Signature & Stamp : 07/10/23



ELITROL II

LOT 02-2170

2024-06

FOR SELECTRA PRO ANALYZERS

CODE	REAGENT NAME	METHOD	UNITS	TARGET	RANGE	UNITS	TARGET	RANGE
ALB1-000X	ALBUMIN	Bromocresol green (BCG)	g/dL	4.82	4.03	5.81	9.1	49.2
ALB1-000X	ALP (BEA) SL	IFCC	U/L	316	229	313	382	432
ALP1-000X	ALP IFCC	IFCC	U/L	229	168	270	382	432
ALSL-000X	ALT / GPT 4+1 SL	IFCC without pyridoxal-phosphate method	U/L	142.0	116.4	167.6	237	194
AMSL-000X	AMYLASE SL	CM-937 Standardization against IFCC method	U/L	241	198	284	237	194
ASST-000X	AST / GOT 4+1 SL	IFCC without pyridoxal-phosphate method	U/L	153.8	126.1	181.5	256	210
BIL1-000X	TOTAL BILIRUBIN 4+1	Modified Malloy-Evelyn	mg/dL	5.31	5.17	7.45	107.9	88.5
BIL1-000X	DIRECT BILIRUBIN 4+1	Modified Malloy-Evelyn	mg/dL	3.83	2.91	4.75	55.5	49.8
CAL1-000X	CALCIUM ARSENAZO	Arsenazo III	mg/dL	12.14	10.68	13.60	3.03	2.87
CHL1-000X	CHOLESTEROL	Heteric thecystatin	mg/dL	115.0	103.5	128.5	115.0	103.5
CHL1-000X	CHLORIDE	ISE Indirect Potentiometry	meq/L	116.4	104.8	128.0	116.4	104.8
CHSL-000X	CHOLESTEROL SL	Enzymatic / PAP	mg/dL	178	151	205	4.60	3.91
HDL1-000X	CHOLESTEROL HDL SL 26	Accelerator Solution Dehydration	mg/dL	57	48	66	1.47	1.25
CHDL-000X	CHOLESTEROL NEW PRODUCT	Phosphatidylcholine inhibition / PAP	mg/dL	47	42	52	1.22	1.09
LDL1-000X	LDL CHOLESTEROL	Statokin Dehydration / PAP	mg/dL	84	71	97	2.17	1.84
CLD1-000X	LDL CHOLESTEROL NEW PRODUCT	Phosphatidylcholine inhibition / PAP	mg/dL	103	88	118	2.66	2.26
CHER-0250	CHOLINESTERASE NEW PRODUCT	OSKC	U/L	7023	5759	8287	117.05	85.08
CHSL-000X	CK-MAC SL	IFCC	U/L	361	296	453	6.02	4.94
391B-003	CO2	ISE Indirect Potentiometry	mmHg	24.8	18.7	29.5	24.6	19.7
CREC-000X	CREATININE JAFFE	Jaffe	mg/dL	2.83	2.32	3.34	250	205
CREC-000X	CREATININE JAFFE IMPROVED APPLICATION	Jaffe	mg/dL	3.28	2.67	3.85	288	238
CREC-000X	CREATININE PAP SL	Enzymatic / PAP	mg/dL	3.67	3.01	4.33	324	266
THC1-000X	DIRECT TBIC	Chromazuril B	μg/dL	265	217	313	47.4	38.9
THC1-000X	GAMA GT PLUS SL	Chromazuril B	U/L	217.0	177.9	256.1	3.62	2.97
GPS1-000X	GLUCOSE PAP SL	Enzymatic / PAP	mg/dL	220.7	187.6	253.8	1226	1041
GPS1-000X	GLUCOSE HK SL	Hexokinase	mg/dL	227.1	193.0	261.2	12.61	10.72
GHS1-000X	GLUCOSE HK SL	Hexokinase	mg/dL	289	221	317	48.2	39.5
FEFE-000X	IRON FERRE	Enzymatic / PAP	mg/dL	45.8	38.4	55.2	5.20	4.26
LACT-000X	LACTATE	Enzymatic / PAP	mg/dL	44.5	36.5	52.5	4.94	4.05
LACT-0250	LACTATE NEW PRODUCT	Enzymatic / PAP	mg/dL	318	281	376	5.30	4.35
LSL1-000X	LDH SL	IFCC	U/L	99	69	127	1.63	1.14
UPSL-000X	UPPASE SL	OGSR	U/L	99	69	127	1.63	1.14
MAG1-000X	MAGNESIUM XYLDYL	Xylof Blue	mg/dL	3.58	3.15	4.01	1.47	1.23
MAG1-000X	MAGNESIUM XB	Xylof Blue	mg/dL	3.58	3.15	4.01	1.47	1.23
PHOS1-000X	PHOSPHORUS	Phosphomolybdate	mg/dL	7.45	6.33	8.57	2.41	2.05
PHOS1-000X	POTASSIUM	ISE Indirect Potentiometry	meq/L	6.38	5.74	7.02	6.38	5.74
391B-004	SCODUM	ISE Indirect Potentiometry	meq/L	160.9	144.8	177.0	160.9	144.8
391B-004	SCODUM	Buret	μL	720	628	842	9.1	67.8
391B-004	SCODUM	Buret	μL	202	170	234	2.26	1.82
TRIG1-000X	TRIGLYCERIDES SL	Enzymatic / PAP	mg/dL	118.4	98.9	133.9	19.38	16.47
TRIG1-000X	TRIGLYCERIDES MONO SL NEW	Enzymatic / PAP	mg/dL	1229	1045	1413	731	621
URIC1-000X	URIC ACID MONO SL	Enzymatic / PAP	mg/dL	10.28	8.74	11.82	612	520
URIC1-000X	URIC ACID SL	Enzymatic / PAP	mg/dL	10.28	8.74	11.82	612	520

ELITROL II

LOT 02-2170

2024-06

FOR SELECTRA MACH ANALYZERS

CODE	REAGENT NAME	METHOD	UNITS	TARGET	RANGE	UNITS	TARGET	RANGE
ALB1-M350	ALBUMIN	Bromocresol green (BCG)	g/dL	4.92	4.03	5.81	9.1	49.2
ALP1-M350	ALP IFCC	IFCC	U/L	229	168	270	382	432
ALSL-M350	ALT / GPT	IFCC without pyridoxal-phosphate method	U/L	142.0	116.4	167.6	237	194
AMSL-M350	AMYLASE	CM-937 Standardization against IFCC method	U/L	241	198	284	237	194
ASST-M350	AST / GOT	IFCC without pyridoxal-phosphate method	U/L	153.8	126.1	181.5	256	210
BIL1-M350	TOTAL BILIRUBIN	Modified Malloy-Evelyn	mg/dL	8.31	5.17	7.45	107.9	88.5
BIL1-M350	DIRECT BILIRUBIN	Modified Malloy-Evelyn	mg/dL	3.87	2.94	4.80	55.5	49.8
CAL1-M350	CALCIUM ARSENAZO	Arsenazo III	mg/dL	12.14	10.68	13.60	3.03	2.87
CHL1-M350	CHOLESTEROL	Enzymatic / PAP	mg/dL	178	151	205	4.60	3.91
CHSL-M350	CHOLESTEROL	Phosphatidylcholine inhibition / PAP	mg/dL	48	43	53	1.24	1.11
CHDL-M350	CHOLESTEROL	Phosphatidylcholine inhibition / PAP	mg/dL	105	89	121	2.72	2.31
CHER-0250	CHOLINESTERASE	OSKC	U/L	7023	5759	8287	117.05	85.08
CHSL-M350	CK-MAC	IFCC	U/L	361	296	429	6.02	4.94
391B-M350	CO2	IFCC	mmHg	3.87	3.01	4.33	32.4	266
THC1-M350	CREATININE PAP	Enzymatic / PAP	mg/dL	310	254	366	55.5	45.5
THC1-M350	DIRECT TBIC	Chromazuril B	μg/dL	310	254	366	55.5	45.5
GPS1-M350	GLUCOSE PAP	IFCC	U/L	217.0	177.9	256.1	3.62	2.97
GPS1-M350	GLUCOSE HK	Enzymatic / PAP	mg/dL	220.7	187.6	253.8	12.25	10.41
GHS1-M350	GLUCOSE HK	Hexokinase	mg/dL	227.1	193.0	261.2	12.61	10.72
FEFE-M350	IRON FERRE	Ferrous	μg/dL	289	221	317	48.2	39.5
LACT-M350	LACTATE	Enzymatic / PAP	mg/dL	44.5	36.5	52.5	4.94	4.05
LACT-M350	LDH IFCC	IFCC	U/L	318	281	376	5.30	4.35
UPSL-M350	UPPASE	OGSR	U/L	104	73	135	1.73	1.21
MAG1-M350	MAGNESIUM XB	Xylof Blue	mg/dL	3.58	3.15	4.01	1.47	1.23
PHOS1-M350	PHOSPHORUS	Phosphomolybdate	mg/dL	7.45	6.33	8.57	2.41	2.05
PROB1-M350	TOTAL PROTEIN	Buret	g/dL	7.46	6.56	8.38	74.6	65.6
TGML-M350	TRIGLYCERIDES	Enzymatic / PAP	mg/dL	202	170	234	2.28	1.92
URIC1-M350	URIC ACID	Enzymatic / PAP	mg/dL	118.4	98.9	133.9	19.38	16.47
URIC1-M350	URIC ACID	Enzymatic / PAP	mg/dL	11.31	9.61	13.01	67.3	57.2

The values are defined with ELITEch reagents

FOR SELECTRA PRO ANALYZERS

CODE	REAGENT NAME	METHOD	UNITS	TARGET	RANGE	UNITS	TARGET	RANGE
ALBU-000X	ALBUMIN	Bromocresol green (BCG)	g/L	30.2	2.48	3.56	30.2	24.9
ALBU-000X	ALBUMIN	DOAC	g/L	157	112	162	2.26	1.87
ALBU-000X	ALB IFC	IFCC	g/L	81	75	107	1.52	1.25
ALBU-000X	ALT I GPT 4+1 BL	IFCC without pyridoxal-phosphate	U/L	47.1	38.6	55.6	0.78	0.83
ALBU-000X	ALT I GPT 4+1 BL	IFCC with pyridoxal-phosphate	U/L	76	65	83	1.32	1.56
ALBU-000X	AMYLASE BL	IFCC without pyridoxal-phosphate	U/L	46.5	40.0	57.6	0.81	0.96
ALBU-000X	AST I GPT 4+1 BL	IFCC without pyridoxal-phosphate	U/L	47.1	1.60	2.02	0.24	0.35
ALBU-000X	AST I GPT 4+1 BL	IFCC with pyridoxal-phosphate	U/L	121	0.92	1.50	2.17	2.57
ALBU-000X	DIRECT BILIRUBIN 4+1	Modified Malloy-Evelyn	mg/dL	8.77	7.72	9.82	2.18	2.45
ALBU-000X	CALCIUM ARSENazo	Asarsanz III	mg/dL	103.6	83.2	114.0	103.6	83.2
ALBU-000X	CALCIUM ARSENazo	Asarsanz III	mg/dL	98.9	80.9	109.9	98.9	109.9
ALBU-000X	CHOLESTEROL	IFCC	mg/dL	119	101	137	3.08	3.54
ALBU-000X	CHOLESTEROL	IFCC	mg/dL	38	32	44	0.86	0.83
ALBU-000X	CHOLESTEROL HDL 20	Acetate selective Cholesterol / PAP	mg/dL	34	26	38	0.86	0.75
ALBU-000X	HDL CHOLESTEROL	Pre-beta complex inhibition / PAP	mg/dL	50	42	58	1.29	1.10
ALBU-000X	HDL CHOLESTEROL	Pre-beta complex inhibition / PAP	mg/dL	64	54	74	1.66	1.81
ALBU-000X	HDL CHOLESTEROL	Pre-beta complex inhibition / PAP	mg/dL	5006	4179	6013	64.93	69.64
ALBU-000X	CHOLESTEROL	DOAC	U/L	5096	4179	6013	64.93	69.64
ALBU-000X	CK MAC BL	IFCC	U/L	136	113	163	2.30	1.89
ALBU-000X	CK MAC BL	IFCC	U/L	17.3	13.8	20.5	13.8	20.8
ALBU-000X	CREATININE	IFCC	mg/dL	0.80	0.66	0.94	71	59
ALBU-000X	CREATININE	IFCC	mg/dL	0.83	0.76	1.10	82	67
ALBU-000X	CREATININE	IFCC	mg/dL	1.00	0.82	1.18	88	72
ALBU-000X	CREATININE	IFCC	mg/dL	188	153	219	33.3	27.3
ALBU-000X	GLUCOSE PAP BL	IFCC	mg/dL	427	35.0	50.4	0.21	0.29
ALBU-000X	GLUCOSE PAP BL	IFCC	mg/dL	91.8	76.0	105.6	5.10	5.87
ALBU-000X	GLUCOSE HK BL	IFCC	mg/dL	91.1	77.4	104.8	5.04	5.82
ALBU-000X	IRON FERRENE	IFCC	mg/dL	99	81	117	17.2	14.5
ALBU-000X	LACTATE	IFCC	mg/dL	57.3	44.2	20.4	1.92	1.57
ALBU-000X	LACTATE	IFCC	mg/dL	15.3	12.5	18.1	1.70	2.01
ALBU-000X	UREA	IFCC	mg/dL	175	145	207	2.92	2.39
ALBU-000X	UREA	IFCC	mg/dL	41	20	53	0.66	0.48
ALBU-000X	MAGNESIUM XYDYL	XYDYL Blue	mg/dL	2.18	1.83	2.45	0.90	0.79
ALBU-000X	MAGNESIUM XYDYL	XYDYL Blue	mg/dL	2.18	1.83	2.45	0.90	0.79
ALBU-000X	PHOSPHORUS	Phosphomolybdate	mg/dL	3.98	3.38	4.58	1.29	1.10
ALBU-000X	PHOSPHORUS	Phosphomolybdate	mg/dL	3.98	3.38	4.58	1.29	1.10
ALBU-000X	POTASSIUM	IFCC	mg/dL	142.8	129.4	158.2	143.8	129.4
ALBU-000X	TOTAL PROTEIN PLUS	IFCC	g/dL	4.80	4.29	5.47	44.6	42.8
ALBU-000X	TOTAL PROTEIN PLUS	IFCC	g/dL	96	81	111	1.06	0.91
ALBU-000X	TOTAL PROTEIN PLUS	IFCC	g/dL	36.6	33.7	42.5	6.59	5.80
ALBU-000X	UREA	IFCC	mg/dL	6.99	5.18	7.00	3.92	3.08
ALBU-000X	UREA	IFCC	mg/dL	47.5	40.3	54.6	28.5	24.1
ALBU-000X	UREA	IFCC	mg/dL	57.5	46.3	74.9	37.8	32.5
ALBU-000X	UREA	IFCC	mg/dL	71	58	84	0.71	0.58
ALBU-000X	UREA	IFCC	mg/dL	149	122	176	1.49	1.22
ALBU-000X	UREA	IFCC	mg/dL	631	517	745	6.31	5.17
ALBU-000X	UREA	IFCC	mg/dL	72	59	85	0.72	0.59
ALBU-000X	UREA	IFCC	mg/dL	50	41	59	0.50	0.41
ALBU-000X	UREA	IFCC	mg/dL	13	11	15	0.13	0.11
ALBU-000X	UREA	IFCC	mg/dL	168	138	168	1.68	1.38
ALBU-000X	UREA	IFCC	mg/dL	168	138	168	1.68	1.38

The values are defined with ELITEch reagents

FOR SELECTRA MACH ANALYZERS

CODE	REAGENT NAME	METHOD	UNITS	TARGET	RANGE	UNITS	TARGET	RANGE
ALBU-M300	ALBUMIN	Bromocresol green (BCG)	g/L	*30.2	2.48	3.56	30.2	24.8
ALBU-M300	ALB IFC	IFCC	g/L	91	75	107	1.52	1.25
ALBU-M300	ALT I GPT	IFCC without pyridoxal-phosphate	U/L	47.1	38.6	55.6	0.78	0.83
ALBU-M300	ALT I GPT	IFCC with pyridoxal-phosphate	U/L	76	65	83	1.32	1.56
ALBU-M300	AMYLASE	IFCC without pyridoxal-phosphate	U/L	46.5	40.0	57.6	0.81	0.96
ALBU-M300	AST I GPT	IFCC without pyridoxal-phosphate	U/L	47.1	1.60	2.02	0.24	0.35
ALBU-M300	AST I GPT	IFCC with pyridoxal-phosphate	U/L	121	0.92	1.50	2.17	2.57
ALBU-M300	DIRECT BILIRUBIN	Modified Malloy-Evelyn	mg/dL	8.77	7.72	9.82	2.18	2.45
ALBU-M300	CALCIUM ARSENazo	Asarsanz III	mg/dL	103.6	83.2	114.0	103.6	83.2
ALBU-M300	CALCIUM ARSENazo	Asarsanz III	mg/dL	98.9	80.9	109.9	98.9	109.9
ALBU-M300	CHOLESTEROL	IFCC	mg/dL	119	101	137	3.08	3.54
ALBU-M300	CHOLESTEROL	IFCC	mg/dL	38	32	44	0.86	0.83
ALBU-M300	HDL CHOLESTEROL	Phosphate complex inhibition / PAP	mg/dL	55	47	63	1.89	1.64
ALBU-M300	HDL CHOLESTEROL	Phosphate complex inhibition / PAP	mg/dL	55	47	63	1.89	1.64
ALBU-M300	CHOLINESTERASE	DOAC	U/L	5096	4179	6013	64.93	69.64
ALBU-M300	CK MAC	IFCC	U/L	138	113	163	2.30	1.89
ALBU-M300	CK MAC	IFCC	U/L	17.3	13.8	20.5	13.8	20.8
ALBU-M300	CREATININE PAP	IFCC	mg/dL	1.00	0.82	1.18	88	72
ALBU-M300	CREATININE PAP	IFCC	mg/dL	188	153	219	33.3	27.3
ALBU-M300	GLUCOSE PAP	IFCC	mg/dL	427	35.0	50.4	0.21	0.29
ALBU-M300	GLUCOSE PAP	IFCC	mg/dL	91.8	76.0	105.6	5.10	5.87
ALBU-M300	GLUCOSE HK	IFCC	mg/dL	91.1	77.4	104.8	5.04	5.82
ALBU-M300	IRON FERRENE	IFCC	mg/dL	99	81	117	17.2	14.5
ALBU-M300	LACTATE	IFCC	mg/dL	57.3	44.2	20.4	1.92	1.57
ALBU-M300	LACTATE	IFCC	mg/dL	15.3	12.5	18.1	1.70	2.01
ALBU-M300	UREA	IFCC	mg/dL	175	145	207	2.92	2.39
ALBU-M300	UREA	IFCC	mg/dL	41	20	53	0.66	0.48
ALBU-M300	MAGNESIUM XYDYL	XYDYL Blue	mg/dL	2.18	1.83	2.45	0.90	0.79
ALBU-M300	MAGNESIUM XYDYL	XYDYL Blue	mg/dL	2.18	1.83	2.45	0.90	0.79
ALBU-M300	PHOSPHORUS	Phosphomolybdate	mg/dL	3.98	3.38	4.58	1.29	1.10
ALBU-M300	PHOSPHORUS	Phosphomolybdate	mg/dL	3.98	3.38	4.58	1.29	1.10
ALBU-M300	TOTAL PROTEIN	IFCC	g/dL	4.80	4.29	5.47	44.6	42.8
ALBU-M300	TOTAL PROTEIN	IFCC	g/dL	96	81	111	1.06	0.91
ALBU-M300	TOTAL PROTEIN	IFCC	g/dL	36.6	33.7	42.5	6.59	5.80
ALBU-M300	UREA	IFCC	mg/dL	6.99	5.18	7.00	3.92	3.08
ALBU-M300	UREA	IFCC	mg/dL	47.5	40.3	54.6	28.5	24.1
ALBU-M300	UREA	IFCC	mg/dL	57.5	46.3	74.9	37.8	32.5
ALBU-M300	UREA	IFCC	mg/dL	71	58	84	0.71	0.58
ALBU-M300	UREA	IFCC	mg/dL	149	122	176	1.49	1.22
ALBU-M300	UREA	IFCC	mg/dL	631	517	745	6.31	5.17
ALBU-M300	UREA	IFCC	mg/dL	72	59	85	0.72	0.59
ALBU-M300	UREA	IFCC	mg/dL	50	41	59	0.50	0.41
ALBU-M300	UREA	IFCC	mg/dL	13	11	15	0.13	0.11
ALBU-M300	UREA	IFCC	mg/dL	168	138	168	1.68	1.38
ALBU-M300	UREA	IFCC	mg/dL	168	138	168	1.68	1.38

The values are defined with ELITEch reagents

PRECISION			
Parameters	SGOT(AST)	ALP (DEA)	ALT(GPT)
Unit	U/L	U/L	U/L
Date/ Method			
1	145	309.9	144.9
2	145.6	308.2	140.5
3	142.7	306	140.7
4	145	306.9	140.1
5	140.4	309	143.1
6	144.4	306.6	139.6
7	144.4	306.9	142.6
8	144	308.2	143.1
9	142.7	308.2	143.1
10	143.3	308.3	140.3
MEAN	143.75	307.82	141.8
SD	1.452067492	1.134724636	1.679285562
CV	1.010133907	0.368632524	1.184263443

NO	DATE	TEST NAME	UNIT	RESULT	REACTOR DATE	Q.C. DATE	STATUS	REFERENCE
24	01-11-20	URIC ACID	Serum	6.38	2024-06-06	6.09	U43	2023-10-07
25	01-11-20	VGM	Serum	18	2024-06-06	0	0	2023-10-07
26	02-21-20	AGB	Serum	1.54	2024-06-06	0	0	2023-10-07
27	02-21-20	ALB	Serum	5.09	2024-06-06	4.92	0.44	2023-10-07
28	02-21-20	ALP(DEA)	Serum	309	2024-06-06	316	28.5	2023-10-07
29	02-21-20	ALT	Serum	145.4	2024-06-06	142.0	12.8	2023-10-07
30	02-21-20	AMY	Serum	247.4	2024-06-06	241	21.5	2023-10-07
31	02-21-20	AST	Serum	145	2024-06-06	151.8	13.85	2023-10-07
32	02-21-20	BUN	Serum	55.19	2024-06-06	0	0	2023-10-07
33	02-21-20	CALCIUM	Serum	12.72	2024-06-06	12.14	0.73	2023-10-07
34	02-21-20	CREAT(URIC)	Serum	3.2	2024-06-06	3.26	0.29	2023-10-07
35	02-21-20	BIL	Serum	5.4	2024-06-06	3.83	0.46	2023-10-07
36	02-21-20	BLDG	Serum	1.1	2024-06-06	0	0	2023-10-07
37	02-21-20	GLUCOSE	Serum	211.4	2024-06-06	220.7	16.55	2023-10-07
38	02-21-20	LP(A)F	Serum	132.5	2024-06-06	98	14.5	2023-10-07
39	02-21-20	TBL	Serum	6	2024-06-06	6.31	0.57	2023-10-07
40	02-21-20	TP	Serum	8.39	2024-06-06	7.70	0.46	2023-10-07
41	02-21-20	TRIG	Serum	136.5	2024-06-06	202	16	2023-10-07
42	02-21-20	UREA	Serum	118.1	2024-06-06	116.4	8.75	2023-10-07
43	02-21-20	WBC	Serum	12.53	2024-06-06	12.29	0.92	2023-10-07
44	02-21-20	WBC	Serum	39	2024-06-06	0	0	2023-10-07

send LIS results

Close

- Sample
- Result
- Reagent
- CAL
- QC
- Setting
- Knife
- Maintain
- Toolbox

Result Query

STAT
 Audit
 Print
 Sample bar code: _____
 Sample No.: 1
 Patient Name: _____
 Gender: _____

All day result
 Results in 3 days
 Results in 1 week

Send Data to LIS

Item No.	Item Name	Semester	Test Result	Recheck Results
2	ALT	2	140.5 H	
3	ALT	3	140.7 H	
4	ALT	4	140.1 H	
5	ALT	5	143.1 H	
6	ALT	6	139.6 H	
7	ALT	7	142.6 H	
8	ALT	8	143.1 H	
9	ALT	9	143.1 H	
10	ALT	10	140.3 H	
11	AST	1	145.0 H	
12	AST	2	145.6 H	
13	AST	3	142.7 H	
14	AST	4	145.0 H	
15	AST	5	140.4 H	
16	AST	6	144.4 H	
17	AST	7	144.4 H	
18	AST	8	144.0 H	
19	AST	9	142.7 H	
20	AST	10	143.3 H	
21	ALP(IDEA)	1	309.9 H	
22	ALP(IDEA)	2	308.2 H	
23	ALP(IDEA)	3	306.0 H	
24	ALP(IDEA)	4	306.9 H	
25	ALP(IDEA)	5	309.0 H	
26	ALP(IDEA)	6	306.6 H	
27	ALP(IDEA)	7	306.9 H	
28	ALP(IDEA)	8	308.2 H	
29	ALP(IDEA)	9	308.2 H	
30	ALP(IDEA)	10	308.3 H	

Recheck
 Add Item
 Delete Item
 Reactor Curve

- Sample
- Result
- Reagent
- CAL
- QC
- Setting
- Manage
- Maintain
- Monitor

Result Query

STAT
 Add
 Print
 Sample Barcode
 Sample No. 1
 Patient Name
 Gender

Results in 1 day
 Results in 3 days
 Results in 1 week

Send Data to LIS

Auto

Auto

Print

Clear

Recpt No.	Recpt	Item Name	Remeasure	Test Result	Recheck Results
1	<input type="checkbox"/>	ALT	1	144.9 H	
2	<input type="checkbox"/>	ALT	2	140.5 H	
3	<input type="checkbox"/>	ALT	3	140.7 H	
4	<input type="checkbox"/>	ALT	4	140.1 H	
5	<input type="checkbox"/>	ALT	5	143.1 H	
6	<input type="checkbox"/>	ALT	6	139.6 H	
7	<input type="checkbox"/>	ALT	7	142.6 H	
8	<input type="checkbox"/>	ALT	8	143.1 H	
9	<input type="checkbox"/>	ALT	9	143.1 H	
10	<input type="checkbox"/>	ALT	10	140.3 H	
11	<input type="checkbox"/>	AST	1	145.0 H	
12	<input type="checkbox"/>	AST	2	145.6 H	
13	<input type="checkbox"/>	AST	3	142.7 H	
14	<input type="checkbox"/>	AST	4	145.0 H	
15	<input type="checkbox"/>	AST	5	140.4 H	
16	<input type="checkbox"/>	AST	6	144.4 H	
17	<input type="checkbox"/>	AST	7	144.4 H	
18	<input type="checkbox"/>	AST	8	144.0 H	
19	<input type="checkbox"/>	AST	9	142.7 H	
20	<input type="checkbox"/>	AST	10	143.3 H	
21	<input type="checkbox"/>	ALP(DEA)	1	309.9 H	
22	<input type="checkbox"/>	ALP(DEA)	2	308.2 H	
23	<input type="checkbox"/>	ALP(DEA)	3	306.0 H	
24	<input type="checkbox"/>	ALP(DEA)	4	306.9 H	
25	<input type="checkbox"/>	ALP(DEA)	5	309.0 H	
26	<input type="checkbox"/>	ALP(DEA)	6	306.6 H	
27	<input type="checkbox"/>	ALP(DEA)	7	306.9 H	
28	<input type="checkbox"/>	ALP(DEA)	8	308.2 H	
29	<input type="checkbox"/>	ALP(DEA)	9	308.2 H	

Acc Item

Disp Item

Reaction Curve



TECHNICAL SERVICE REPORT

REPORT NO.: POCT/SD/ **81542** SERVICE NOTIFICATION NO.: [] [] [] [] [] [] [] [] [] []

CUSTOMER NAME: **Sahar Hospital, Lucknow**

ADDRESS: **Lucknow**

CITY: **Lucknow** STATE: **Uttar Pradesh** PIN CODE: [] [] [] [] [] []

CONTACT PERSON: **Mr. Shakti Kumar** CONTACT NO.: **908841428**

DEPARTMENT: **Medical Pathology**

E-MAIL ADDRESS: [] [] [] [] [] [] [] [] [] []

INSTRUMENT STATUS: WARRANTY AMC/CMC/RENTAL/DEMO CHARGEABLE CALL

CONTRACT PERIOD: [] TO [] EXPIRED ON: []

SITE VOLTAGE: PN: [] PG: [] NG: [] STABILISER/UPS: [] Y/N: []

INSTRUMENT NAME: **F.A.A** MAKE: **Astera** MODEL NAME: **C-MS** SR. NO.: **20225906115014**

- Courtesy Call
- BREAKDOWN
- INSTALLATION
- P.M.S
- APPLICATION
- AMC / CMC Follow Up

WORKED CARRIED OUT AT: SITE OFFICE

CALL LOG DATE: **5/10/23** CALL ATTEND DATE: **5/10/23** CALL CLOSE DATE: **7/10/23** TAT TIME: **10:00:28**

TIME: [] TIME: [] TIME: [] HR: []

PROBLEM REPORTED: **Installation and Training of fully automatic bio-chemistry Analyser**

ACTION TAKEN: **Installation and Training done successfully with all the application.**

DETAIL OF TEST PERFORMED (ATTACH THE INSTRUMENT GENERATED RESULT PRINTOUT)

TEST DESCRIPTION	RESULT OBTAINED	REMARK
Calibration	OK	OK
Control	OK	OK
Sample	OK	OK

ENGINEER'S REMARK: **Installation and training done successfully and now instrument is ready to ok.**

PERSON TRAINED DURING INSTALLATION

NAME	SIGNATURE
Gautam K.	Gautam K.
Sandeep K.	Sandeep K.

CUSTOMER'S REMARK: []

ENGINEER'S NAME: **Vikash Choudhary** CUSTOMER'S NAME: **Shakti Kumar**

SIGNATURE: **[Signature]** SIGNATURE WITH STAMP: **[Signature]**

09/10/23
सुंदर अस्पताल
लुधियाना

PLEASE ENSURE FILLING AND SENDING OF INSTALLATION REPORT ALONG WITH THIS REPORT AT THE TIME OF INSTALLATION.

POCT SERVICES PRIVATE LIMITED

Corp. Office: 296-281, Transport Nagar, Kanpur Road, Adjacent Transport Nagar Metro Station, Kanpur Road, Lucknow (UP) PIN-226023, INDIA

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Subject to Lucknow Jurisdiction