

**MANJERI CLINICAL LABORATORY & IDEAL X-RAYS, MANJERI**  
**PPM CHECKLIST FOR ELECTROLYTE ANALYZER**

<b><u>CBS 300 ELECTROLITE ANALYZER</u></b>		<b><u>SERIAL NO: BE010802</u></b>	
<b>I. SPECIAL PRECAUTIONS</b>			
If there is evidence of blood or serum contamination, submit the device for cleaning and decontamination before inspecting it. Wear appropriate Personnel Protection Equipment (PPE) during work. Refer to the Safety procedure for additional precautions and guidance.			
<b>II. TEST APPARATUS REQUIRED</b>			
<b>1.ELECTROLYTE ANALYZER</b>		<b>Model: CBS 300</b>	<b>Serial:BE010314</b>
<b>Description</b>	<b>status</b>	<b>Description</b>	<b>status</b>
1. AC Plug	Passed	8. Rotary Valve	Passed
2. Line Cord	Passed	9. Fluid Flow	Passed
3. Fuse	Passed	10. Indicator	Passed
4. Tubes	Passed	11. Display	Passed
5. Connectors	Passed	12. User Calibration	Passed
6. Electrode Value	Passed	13. Pump Tube	Passed
7. Controls	Passed	14. Pinch Valve	Passed
		15. Air Sensor	Passed
<b>III. PREVENTIVE MAINTENANCE TASKS</b>			
<b>Description</b>	<b>status</b>	<b>Description</b>	<b>status</b>
1. Clean the whole tubings	<b>Done</b>	3. Replace Deteriorated components	<b>Done</b>
2. Clean the rotary valave	<b>Done</b>	4. Lubricate	<b>Done</b>

**IV. QUALITY CONTROL DATA**

Quality Control	Na+			K+			Cl-		
	Target	Measured Value	Range	Target	Measured Value	Range	Target	Measured Value	Range
Level -1	118.0	118.2	1.87	2.12	2.28	0.17	81.5	81.6	1.53
Level -2	140.6	140.6	1.89	3.97	4.05	0.17	102.1	101.5	1.49
Level -3	160.2	161	1.89	6.05	6.03	0.17	120	119.5	1.5

**V. SUMMARY**

**NOTES**

Calibrated the instrument. Analyzed the Tri Level Quality Controls. Instrument is working perfectly.  
**Next calibration is due on 16-09-2022**

Completed by	Customer Signature:	Date :
Verified by:		17-09-2021
		Time: <b>4.30 PM</b>

H.No. 32, Near Pavakkulam Temple, LFC Road, Kaloor.P.O, Kochi-682017, Ph : +91 484 4038304 (Off. ) : +91 97467 44304, +91 934 9349304  
E-mail : inzigniabiomedicals@gmail.com, Web : www.insigniabiomedical.com

**INSTALLATION QUALIFICATION**

MODEL NO. : CBS 300 ELECTROLYTE ANALYZER  
SERIAL NO. : BE010802  
IMPORTED & MARKETED BY : B&E DIAGNOSTICS INDIA PVT LTD  
DISTRIBUTOR : INSIGNIA BIOMEDICAL  
LFC ROAD, NEAR PAVAKKULAM TEMPLE  
KALOOR ,ERNAKULAM – 682017  
CUSTOMER NAME : MANJERI CLINICAL LABORATORY & IDEAL X- RAYS  
MANJERI, MALAPPURAM DIST  
DATE OF INSTALLATION : 15-09-2021

ENGINEER (INSIGNIA BIOMEDICAL)


SIGNATURE

:  

NAME : MUHAMMED RASHID  
DESIGNATION : SERVICE MANAGER  
COMPANY : INSIGNIA BIOMEDICAL

CUSTOMER (MANJERI CLINICAL LABORATORY & IDEAL X- RAYS)

SIGNATURE

: 

NAME : M. ALIKOYA  
DESIGNATION : MANAGER

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**OPERATIONAL QUALIFICATION**

ANALYSER OPERATIONAL CHECK POINT	REMARK
❖ PROBE	OK
❖ AIR SENSOR	OK
❖ PINCH VALVE	OK
❖ PROBE CUP	OK
❖ PUMP CALIBRATION	OK
❖ Power SWITCH	OK
❖ FUSE	OK
❖ CODE WIRE	OK

**FUNCTIONAL CHECK**

❖ SLOPE VALUES	OK
❖ SAMPLE	OK
❖ PUMP MOTOR	OK
❖ LIQUID LEVEL DETECTION	OK
❖ REAGENT STATUS	OK
❖ PRINTER TEST	OK
❖ COM PORTS	OK

VERIFIED BY : Mr. MUHAMMED RASHID

REVIWED BY:  
MANJERI CLINICAL LABORATORY & IDEAL X-RAYS

SIGNATURE :



SIGNATURE :

A handwritten signature in black ink, appearing to be "Manjeri", written over the signature line.

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**PERFORMANCE QUALIFICATION**

THIS SLOPE RANGE IS IN THE NORMAL RANGE. THE ELECTRODE HAS PASS THE CALIBRATION.

NORAML SLOPE RANGE : K = 35 - 80  
: Na = 35 - 80  
: Cl = -80 - -35

CHECKED PRECISION AND REPEATABILITY CHECK WITH ELECTROLYTE CONTROL (LOW,NORMAL,HIGH) .

**DETAILS OF REAGENTS, CALIBRATORS AND CONTROLS**

REAGENTS : CALIBRATION PACK FOR ELECTROLYTE ANALYSER (CBS 300)  
CALIBRATOR : ELECTROLYTE CALIBRATOR - B&E ( LOT NO: 10060)  
CONTROLS : ELECTROLYTE CONTROLS - B&E (LOT NO: 10059)  
EZ-CLEANSER : DAILY CLEANING SOLUTION - B&E

*HERE I'm VERIFYING THAT THE CONTROL RESULT OF THE EXECUTED PARAMETERS ARE WITHIN THE RANGE.*

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**INSTALLATION REQUIREMENTS**

POWER REQUIREMENTS : AC 110~220 V, 50Hz (SELF ADJUSTING)  
0.68 A max, 150 WATTS max.

NOMINAL POWER CONSUMPTION : 30 WATTS

TEMPERATURE : ROOM TEMPERATURE, 10- 30° C

HUMIDITY : ≤ 70% RELATIVE HUMIDITY, NON- CONDENSING

DIMENSIONS : (HxWxD) 455x275x480 MM

WEIGHT : (APPROX) 10.5 lbs, 5 Kg

BARCODE INTERFACE : AVAILABLE

DATAOUTPUT INTERFACE : AVAILABLE

INSTALLATION ENVIRONMENT CONDITIONS  
PLACE SHOULD NOT BE SUBJECTED TO DIRECT SUNLIGHT  
PLACE SHOULD BE FLAT AND MINIMUM OF DUST

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