

**MINDRAY - BS120 Auto Bio Chemistry Analyser**

Customer Address: **National X-ray's ECG and Clinical Laboratory**  
117-A Salem Main Road  
Krishnagiri - 635 001,  
Tamil Nadu.

Contact person: K.Subramaniam  
Telephone no: 09443888890  
Serial no: WK-38103385  
QC Running Date: 27/12/19

**Calibration Certificate**

**CALIBRATION**

The Analyser has been calibrated with Mindray Multi Sera Calibrator for Glucose, Creatinine, TP, ALT, AST, ALP, Cholesterol, TGL, Albumin, Calcium and Urea.

Calibrator Manufacture : Mindray  
Calibrator name : Multi Sera Calibrator  
Lot no. : 150118002  
Expiry date : 26-03-2021

**QUALITY CONTROL CHECK**


**NORMAL CONTROL**

Manufacture : Mindray  
QC Name : Multi Control Sera N  
LOT No : 050217006  
Expiry : 16-12-2020

Carried out Multi Control Sera N found values are within specified range.

**REMARKS**

The system meets all criteria outlined in this Performance Qualification Documents. All the required parameters have been checked and instrument is ready for regular use.

  
Performer : Srikanth.M

Date: 29/12/2019



  
Reviewer: Muthu Vigneshwar. K.P.

**We hereby certify that the following instrument**

**Type : INCUBATOR**

**Serial number: 260**

**In NATIONAL LAB, Krishnagiri, Tamilnadu been calibrated as per SOP provided for the 'calibrating and testing the function' from the manufacturer.**

**Authorised Signatory**



**Vijayaraj .S**

**Service Engineer**

**Date of calibration : 25-11- 2019**

**Please note : This Certificate is valid for a period of one year from date of issue.**

## **CALIBRATION CERTIFICATE**

**We hereby certify that the following instrument**

**Type : Hematology Analyzer Instrument**

**Model : Humacount 30 Ts**

**Serial number: 825892**

# STATUS PASSED CALIBRATION REPORT

DEVICE ID:  
 METHOD ID: VV1000  
 ENVIRONMENTAL FACTORS  
 TEMP: 20°C  
 AIR DENSITY: 0.001200

DESCRIPTION: VAR VOL 100-1000µl  
 DATE: 05.09.2020  
 REL.HUMIDITY: 50%  
 CUBIC EXP: 0.0000cm<sup>3</sup>/degc.

SAMPLE			CALIBRATION STATISTICS						
VOL	NO	Wt	VOL	VOL	INACCURACY E% MEAN	IMPRECISION CV% SD	ACTUAL	TARGET	STATUS
100.0	1	100.00	100.30	100.0	100.29	0.008	1.00	0.80	passed<0.30
100.0	2	199.99	100.30	500.0	499.14	1.056	0.17	0.60	passed<0.20
100.0	3	299.99	100.30	1000.0	1000.96	1.861	0.09	0.50	passed<0.20
500.0	1	497.80	499.24						
500.0	2	996.50	500.15						
500.0	3	1493.10	498.04						
1000.0	1	1000.00	1002.90						
1000.0	2	1997.90	1000.79						
1000.0	3	2994.20	999.19						

All Pipettes are calibrated at 20°C with degassed double distilled water conforming to DIN12650

Calibrated By:



Manager (Quality Control)



**Date of calibration : 10-12-2019**

**Please note from date of issue. : This Certificate is valid for a period of one year**

## **CALIBRATION CERTIFICATE**

**We hereby certify that the following instrument**

**Type : Biochemistry Analyzer Instrument**

**Model : URA**

**Serial number: 601840026 IE**

**In NATIONAL LAB, Krishnagiri, Tamilnadu been calibrated as per SOP provided for the 'calibrating and testing the function' from the manufacturer.**

**Authorised Signatory**

  
**Vijayaraj S**

**Service Engineer**

**Date of calibration : 10-12-2019**

**Please note from date of issue. : This Certificate is valid for a period of one year**

## **CALIBRATION REPORT**

**Customer Name and Address : NATIONAL LAB,  
KRISHNAGIRI.**

**Instrument Details : Biochemistry Analyzer instrument**

**Type : URA**

**Serial number : 601840026 IE**

### **Control values**

<b>Parameter</b>	<b>ACTUAL</b>	<b>TARGET</b>	<b>LOW</b>	<b>HIGH</b>
<b>Albumin</b>	<b>3.35</b>	<b>3.43</b>	<b>2.64</b>	<b>4.22</b>
<b>Creatinine</b>	<b>1.27</b>	<b>1.04</b>	<b>0.81</b>	<b>1.27</b>
<b>Protein</b>	<b>6.24</b>	<b>6.44</b>	<b>5.73</b>	<b>7.15</b>
<b>Urea</b>	<b>31.7</b>	<b>32.1</b>	<b>25.0</b>	<b>39.0</b>
<b>SG OT</b>	<b>33</b>	<b>35.1</b>	<b>27.1</b>	<b>43.1</b>
<b>SG PT</b>	<b>36</b>	<b>35.1</b>	<b>27.0</b>	<b>43.2</b>

**Calibrated by**



**Vijayaraj.S(B.E., Medical Electronics Engineering),**

**Sales and Service Engineer,**

**Jaiyam agency,**

**Next Calibration is due on December2020..**

# **CALIBRATION CERTIFICATE**

**We hereby certify that the following instrument**

**Type : COLORIMETER**

**Serial number: 0606335**

**In National Lab, Krishnagiri, Tamilnadu been calibrated as per SOP provided for the 'calibrating and testing the function' from the manufacturer.**

**Authorised Signatory**

  
**Vijayaraj**

**Service Engineer**

**Date of calibration : 12- 12 - 2019**

**Please note : This Certificate is valid for a period of one year from date of issue.**

## **CALIBRATION REPORT**

**Customer Name and Address : NATIONAL LAB  
KRISHNAGIRI.**

**Control values**

<b>Parameter</b>	<b>ACTUAL</b>	<b>TARGET</b>	<b>LOW</b>	<b>HIGH</b>
<b>Triglycerides</b>	<b>165</b>	<b>170</b>	<b>150</b>	<b>190</b>
<b>Glucose</b>	<b>88</b>	<b>92</b>	<b>72</b>	<b>120</b>
<b>Cholesterol</b>	<b>215</b>	<b>220</b>	<b>200</b>	<b>240</b>

**Calibrated by**



**Vijayaraj.S (B.E., Medical Electronics Engineering),**

**Sales and Service Engineer,**

**Jaiyam agency.**

**Next Calibration is due on December2020..**

**CALIBRATION CERTIFICATE**

**We hereby certify that the following instrument**

**Type : CLINICAL CENTRIFUGE**

**Model : REMI**

**Serial number: GHLC-11027**

**In NATIONAL LAB, Krishnagiri, Tamilnadu been calibrated as per SOP provided for the 'calibrating and testing the function' from the manufacturer.**

**Authorised Signatory**

  
**Vijayaraj S**

**Service Engineer**

**Date of calibration : 10 - 12 - 2019**

**Please note : This Certificate is valid for a period of one year from date of issue.**

## **CALIBRATION REPORT**

**Customer Name and Address : NATIONAL LAB,  
KRISHHNAGIRI.**

**Instrument Details : REMI**  
**Type : CLINICAL CENTRIFUGE**  
**Serial number : GHLC-11027**