

**List of major test equipment available for use**

<b>S. No.</b>	<b>Discipline</b>	<b>Name of equipment</b>	<b>Calibration certificate of equipment</b>	<b>Image of the equipment via Mobile App</b>
01	Clinical Biochemistry	centrifuge	Attachment - Calibration Certificate	
02	Clinical Biochemistry	microscope	Attachment - Calibration Certificate	
03	Clinical Biochemistry	Micropipette 20 to 200	Attachment - Calibration Certificate	
04	Clinical Biochemistry	Micropipette 100 to 500	Attachment - Calibration Certificate	
05	Clinical Biochemistry	Temperature Sensor with Indicator of Fridge I	Attachment - Calibration Certificate	
06	Clinical Biochemistry	hot air oven	Attachment - Calibration Certificate	
07	Clinical Biochemistry	incubator	Attachment Calibration Certificate	
08	Clinical Biochemistry	Mindray chemistry analyzer	Attachment - Calibration Certificate	
09	Clinical Biochemistry	HDC LYTE	Attachment - Calibration Certificate	



# Excellent Services

A HOUSE OF TESTING & CALIBRATION

B-34-35,54 & G-7, Ganpati Paradise, Central Spine, Vidhyadhar Nagar, Jaipur - 302039

Tel : 0141-2231774, Mob. : 09314501796, 9414011796

E-mail : brijesh\_singh16@yahoo.com, brijesh@excellentservices.co.in, visit us : www.excellentservices.co.in



## CALIBRATION CERTIFICATE

Name and Address of Customer	Page No	1 of 1
ULTRA DIAGNOSTIC & RESEARCH CENTRE  STATION ROAD, GHOSIYANA, BARABANKI	ULR No.	----
	Certificate No	2102/0153/01
	Job Request No & Date	2021/0153/01 & 09/02/2021
	Date of Receipt	13/02/2021
	Calibration Date	13/02/2021
	Recommended Due Date	12/02/2022
	Certificate Issue Date	15/02/2021

### Description & Identification of UUC:

Name	Micropipette		Condition on Receipt	OK
Make/Model	----	Range	20 to 200 µl	Calibration Parameter
Sr. No.	YN4A009244	Least Count	0.2 µl	Volume
Id No.	UDC 1	Calibration Performed At	Lab	Location
				----

### Environment Condition

Temp./Humidity 23±2° C/ 35 to 85% RH

### Calibration Procedure No:

ES/SOP/M/16 based on ISO:4787 & NABL-129.

### Details of Standard / Master Equipment Used:

Nomenclature	Sr. No.	Class	Certificate No	Validity	Calibrated By
A Set of Weights with Balance	6663	E1	TVCSPL 18/10/642-01A	09/10/2021	NABL Cert. No. CC-2144

### RESULTS

Nominal Value on UUC	Average Value on Standard	Error	Expanded Uncertainty (±)
µl	µl	µl	µl
20.0	19.87	0.13	0.04
100.0	99.80	0.20	0.04
200.0	199.69	0.31	0.07

### Remarks:-

1. Measuring Cylinder confirm to ISO:4787 for the nominal value within maximum error.
2. The reported expanded uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95% for a normal distribution.
3. Certificates shall not be reproduced except in full, without The written approval of Excellent Services.
4. Results relate only to the items calibrated & readings are taken without adjustment.
5. All reference standard used for calibration are traceable to National Standards.
6. UUC: Unit Under Calibration.

Engineer-Calibration

Veeresh Kr. Singh



Authorized Signature

Abhishek Singh  
(Dy. Technical Manager)



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## CALIBRATION CERTIFICATE

Name and Address of Customer  ULTRA DIAGNOSTIC & RESEARCH CENTRE  STATION ROAD, GHOSIYANA, BARABANKI	Page No	1 of 1
	ULR No.	----
	Certificate No	2102/0153/02
	Job Request No & Date	2021/0153/02 & 09/02/2021
	Date of Receipt	13/02/2021
	Calibration Date	13/02/2021
	Recommended Due Date	12/02/2022
Certificate Issue Date	15/02/2021	

### Description & Identification of UUC:

Name	Micropipette	Condition on Receipt	OK
Make/Model	----	Range	100-500 µl
Sr. No.	w08683	Least Count	10 µl
Id No.	UDC 5	Calibration Performed At	Lab
		Location	----

Environment Condition		Calibration Procedure No:
Temp./Humidity	23 ± 2°C / 35 to 85%RH	ES/SOP/M/16A based on ISO:8655 & NABL-129.

### Details of Standard / Master Equipment Used:

Nomenclature	Sr. No.	Class	Certificate No	Validity	Calibrated By
A Set of Weights with Balance	6663	E1	TVC SPL 18/10/642-01A	09/10/2021	NABL Cert. No. CC-2144

### Linearity Test:

RESULTS				
Nominal Value on UUC in µl	Average Value on Standard in µl	Error in µl	Expanded Uncertainty (±) µl	
100	99.67	0.33	0.42	
300	299.42	0.58	0.42	
500	499.33	0.67	0.42	

### Remarks:-

1. Piston pipette confirm to ISO: 8655 part-2 for the nominal value within maximum error (Systematic & random).
2. The reported expanded uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95% for a normal distribution.
3. Certificates shall not be reproduced except in full, without The written approval of Excellent Services.
4. Results relate only to the items calibrated & readings are taken without adjustment.
5. All reference standard used for calibration are traceable to National Standards.
6. UUC: Unit Under Calibration.

Engineer-Calibration

Prakash K. Singh

(Format No. QR/M/28, Rev. 00)



Authorized Signature

Abhishek Singh  
(Dy. Technical Manager)



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## CALIBRATION CERTIFICATE

Name and Address of Customer	Page No	1 of 1
ULTRA DIAGNOSTIC & RESEARCH CENTRE  STATION ROAD, GHOSIYANA, BARABANKI	ULR No.	----
	Certificate No	2102/0153/08
	Job Request No & Date	2021/0153/08 & 09/02/2021
	Date of Receipt	13/02/2021
	Calibration Date	13/02/2021
	Recommended Due Date	12/02/2022
	Certificate Issue Date	15/02/2021

### Description & Identification of UUC:

Name	Temperature Sensor with Indicator of Fridge I	Condition on Receipt	OK		
Make/ Model	----	Sr.No.	----	Calibration Performed At	Site
Range	2-8 °C	Id.No.	UDC 19	Calibration Parameter	Temperature
L.C.	1 °C	Location	----		

### Environment Condition

Temp./Humidity	25 ± 4°C / 30 - 75%RH
----------------	-----------------------

### Calibration Procedure No:

ES/SOP/T/01 based on ITS-90 and NABL 129.

### Details of Standard / Master Equipment Used:

Nomenclature	Sr. No.	Certificate No	Validity	Calibrated By
4 Wire RTD with Indicator	ES/TH/RTD-03	2007/0374/02	01/07/2021	NABL Cert. No. CC-2597


## RESULTS

Sr. No.	Average U.U.C. °C	Average Master °C	Error °C	Expanded Uncertainty (±) °C
1	2	2.07	-0.07	0.59
2	4	4.10	-0.10	0.59
3	6	6.16	-0.16	0.59
4	8	8.23	-0.23	0.59

### Remarks:-


- The reported expanded uncertainty is at coverage factor  $k=2$  which corresponds to a coverage probability of approximately 95% for a normal distribution.
- This instruments has been verified and the result have been found as per Temperature Scale ITS-90.
- Results relate only to the items calibrated.
- Certificates shall not be reproduced except in full, without the written approval of EXCELLENT SERVICES.
- Readings are taken without adjustment and readings are average of 5 sets of readings.
- All reference standard used for calibration are traceable to National Standards.
- UUC: Unit Under Calibration.

Engineer-Calibration

  
Naveen Pathak  
(Format No. QR/T/03, Rev. 00)



Authorized Signature

  
Brijesh Kumar Singh  
(Technical Manager)



Redcell Technocare Pvt.Ltd.

**CALIBRATION CERTIFICATE-MINDRAY BS200E**

This is to certify that Mindray BS 200E, fully automated biochemistry analyzer having serial no. XR8A003454 has been calibrated on 16.04.2021 and results are found well within range.

Lab Name	Ultra Diagnostic Centre, Barabanki (UP)
Instrument Name	Mindray BS200E
Instrument Model/Sr No.	BS200E / XR8A003454
Calibration Date	16.04.2021
Next Calibration Due Date	15.04.2022

Test Parameter	Required Value	Measured Value
Input Voltage	230~240 V	231
Incubation Temperature	37°C+/-1max	37°C
Reagent Tray Temperature	5~15°C	8°C
Detector Performance Check @All Wavelength	6000~16000	Within range
12V Lamp Supply	12+/-0.3Volts	12.1 Volts
5V Lamp Supply	5+/-0.3 Volts	5.06 Volts
24V Lamp Supply	24+/-0.3 Volts	24.2 Volts
Water Blank	(1800)of the water blank value	Within range

**Calibrator Details:**  
MULTI SERA CALIBRATOR  
Lot No.:15012100  
Expiry: 31.12.2022

**QC Details:**  
CLINCHEM MULTI CONTROL L1  
Lot No.: 059321001  
Expiry: 11.07.2022

**QC Details:**  
CLINCHEM MULTI CONTROL L2  
Lot No.: 059420007  
Expiry: 26.04.2022

For Redcell Technocare Pvt. Ltd.

**Redcell Technocare Pvt.Ltd.**

3-1 First Floor, Nirala Nagar, Lucknow-226020 | Mob: 9415595860, 9793088855, E-mail: redcelltechnocare@gmail.com



045-001950-00 (4.0)

参数配置表 Parameter List

Instrument Serial Number 仪器序列号		Software Version 软件版本			
		XR-8A003454		V01.00.11.23	
No 序号	Unit 单元	Parameter 参数	Default Value 默认值	Parameter Range 调试范围	Actual Value 实际值
1	Reaction Disk Unit 反应盘单元	Reaction disk position correction(05) 反应盘位置校正(05)	40	>0	43
2	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 340nm(03) 光电增益参数340(03)	127	0-255	164
3	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 380nm(03) 光电增益参数380(03)	127	0-255	49
4	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 412nm(03) 光电增益参数412(03)	127	0-255	90
5	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 450nm(03) 光电增益参数450(03)	127	0-255	75
6	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 505nm(03) 光电增益参数505(03)	127	0-255	71
7	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 546nm(03) 光电增益参数546(03)	127	0-255	56
8	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 570nm(03) 光电增益参数570(03)	127	0-255	67
9	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 605nm(03) 光电增益参数605(03)	127	0-255	53
10	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 660nm(03) 光电增益参数660(03)	127	0-255	64
11	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 700nm(03) 光电增益参数700(03)	127	0-255	65
12	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 740nm(03) 光电增益参数740(03)	127	0-255	66
13	Reaction Disk Unit 反应盘单元	Photoelectric gain parameter 800nm(03) 光电增益参数800(03)	127	0-255	52
14	Sample Unit 样本单元	Horizontal washing position of Sample Probe (0F) 样本针清洗水平位置(0F)	-54	NA	-54
15	Sample Unit 样本单元	Horizontal position of inner sample disk(0B) 样本盘内圈水平位置(0B)	92	NA	82
16	Sample Unit 样本单元	Horizontal position of outer sample disk(0C) 样本盘外圈水平位置(0C)	-43	NA	37
17	Sample Unit 样本单元	Horizontal position of reaction disk(02) 反应盘水平位置(02)	-188	NA	-188
18	Sample Unit 样本单元	H. diluting position on reaction disk 反应盘稀释水平位置	-249	NA	-249
19	Sample Unit 样本单元	Tube position correction of inner sample disk(2D) 样本盘内圈杯位修正量(2D)	6	NA	26
20	Sample Unit 样本单元	Tube position correction of outer sample disk(2E) 样本盘外圈杯位修正量(2E)	13	NA	7

21	Sample Unit 样本单元	Horizontal position for dispensing ISE sample(32) 加ISE样本水平位置(32)	373	NA	373
22	Sample Unit 样本单元	Vertical position for dispensing ISE sample(33) 加ISE样本垂直位置(33)	473	NA	473
23	Sample Unit 样本单元	Vertical position limit for dispensing ISE sample(34) 加ISE样本垂直位置极限(34)	488	NA	488
24	Sample Unit 样本单元	Vertical limit position of reation disk(08) 反应盘垂直极限位置(08)	382	NA	362
25	Sample Unit 样本单元	Scanning position correction for outer circle(31) 外圈条码扫描位置修正量(31)	1	NA	1
26	Sample Unit 样本单元	Scanning position correction for inner circle(30) 内圈条码扫描位置修正量(30)	16	NA	16
27	Reagent Unit 试剂单元	Verical limit position of Reagent disk 试剂盘垂直极限位置(12)	726	NA	731
28	Mixer Unit 搅拌单元	Hor. washing pos. of mixing bar(00) 搅拌杆清洗水平位置(00)	74	NA	71
29	Mixer Unit 搅拌单元	Hor. Pos. of mixing bar(03) 搅拌杆搅拌水平位置(03)	75	NA	75
30	Mixer Unit 搅拌单元	Ver. Pos. of mixing bar(04) 搅拌杆搅拌垂直位置(04)	585	NA	589
31	Wash Unit 清洗单元	Reaction disk dispensing position(middle) 反应盘排注(中间)位置	707	NA	903
32	Wash Unit 清洗单元	Reaction disk washing position(bottom) 反应盘清洗(底部)位置	1557	NA	1577
33	Temperature Unit 温控单元	R0	1000.00 000	NA	999.95
34	Temperature Unit 温控单元	A	0.00375	NA	3.82e-003
35	Temperature Unit 温控单元	B	0	NA	-6.75e-007
36	Temperature Unit 温控单元	$\Delta AD$	0	NA	127

P/N:046-001950-00(4.0)

记录人 Recorded by: 彭长松

日期 Date: 2018-11-03

Patient's Name: \_\_\_\_\_  
 Ref. by Location: \_\_\_\_\_  
 Father's / Husband's Name: \_\_\_\_\_  
 Medical History: Yes/No \_\_\_\_\_  
 Patient's Full Address: \_\_\_\_\_  
 Mobile Number: \_\_\_\_\_  
 Name & signature of Patient: \_\_\_\_\_  
 Generated UFI: \_\_\_\_\_  
 Patient's Name: \_\_\_\_\_  
 Age/No. (If yes, Prov): \_\_\_\_\_  
 Address with PIN: \_\_\_\_\_  
 Patient/Relative: \_\_\_\_\_  
 MID No.: \_\_\_\_\_



CIN-US1507DL1996PLC079544



**HD Consortium India Limited**

B-1, First Floor, Nirala Nagar, Lucknow-226020  
 Tel : 0522-2788960/2787382/4071490  
 Fax : 0522-2788904  
 E-mail : lucknow@hdcinida.com  
 Website : www.hdcinida.com

YOUR PARTNER IN PATIENT-CARE

To  
**Ultra Diagnostic  
 Centre Barabanki**

Ref No :HDL/LKO/140/20-21  
 Date :- 01/03/2021

Dear Sir

This is to certify that your Electrolyte model: HDC-Lyte bearing Sl. No HDCL2932 is serviced and calibrated

It is working fine and giving satisfactory result.

<u>Parameters</u>	<u>Slope</u>
Na+	57.13
K+	52.84
ica+	26.22

This calibration is valid for next three month

Thanking you and assuring you of our best services and attention always.

Your Sincerely

*For HD Consortium India Ltd*



(Authorized Signatory)





# Redcell Technocare Pvt. Ltd.

## SERVICE REPORT

Customer Profile		Instrument Details	
No.		Model:	Serial No:
Customer Name:	Ultra Diagnostic Centre	110c Lyte	093 110c L 293
Address:	Chhaya Chauraha Barabanki (U.P.)	<input type="radio"/> Warranty <input type="radio"/> RR <input type="radio"/> Service Agreement <input type="radio"/> On Call	
Email ID:		Call Log No.:	
Name of Operator:		Reported On:	
Tel/Mobile No:		Attended On:	26/06/2020
Call Details:	<input checked="" type="radio"/> Preventive Maintenance <input checked="" type="radio"/> Breakdown <input type="radio"/> Application Support <input type="radio"/> Others		
Problem Reported:	New Installation		
Observation, Action Taken:	Installed the instrument, given the user train. Run the control level 1, level 2 and level 3 and found the results in range.		
Spares Replaced/Required to be related:			
Part Number	Part Name	Price Rs.	Remark
QC	Lot no. VAC 2020 A-L1, L2, L3		
The above referred instrument is serviced and it working satisfactory - Yes/No			
Engineer/Application person's Remark:		Customer's Remarks:	
Name: Akshay Verma		Signature:	
Signature:		Stamp / Seal:	
Date: 26/06/2020		Date: 26/06/20	

B-1 First Floor, Nirala Nagar, Lucknow-226020 (U.P.) Ph.: 7081810123  
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