



# HYTECH INSTRUMENT

2SF, C-2 Shriram Complex, Nyay Khand-I, Indirapuram, Ghaziabad-201014 (U.P) INDIA  
Ph. No. +91-9899380410, +91-9716668085, +91-7669021291-95

## Calibration Certificate

Format No. : HY/FM/33

Page No. : 01 of 02

<b>Certificate No.</b>	<b>HY/21/1121-2</b>	<b>CALIBRATION CERTIFICATE OF</b>  <b>Hematology Analyzer</b>
<b>Date of Calibration :</b>	10.08.2021	
<b>Next Date for Calibration</b>	10.08.2022	
(As per agreed with the Customer)		
<b>Certificate Issue Date</b>	11.08.2021	

<b>CUSTOMER ADDRESS</b>		<b>DESCRIPTION OF DEVICE UNDER CALIBRATION</b>	
M/s Curis Diagnostics F-24/25, Sector-3, Rohini, New Delhi -110085 INDIA		Make / Model	Accurek/Acculab
		Instrument Sr. No.	2900Pet02683
		Resolution / Least Count	As Per Range
		Range / Size	As Per Instrument
<b>SERVICE REQUEST FORM DETAILS</b>		Asset Code / I.D No.	CD/H.A/LAB/01
Service Request / Job No.	1121/1121-2	Location	LAB
Service Request Dated	09.08.2021	Instrument Condition	In working

<b>Calibration Procedure</b>	HY/WI/2MD08	<b>Calibration Performed At</b>	At Site	
<b>Reference Standard</b>	NABL-126	<b>Discipline</b>	Medical	
<b>ENVIRONMENTAL CONDITIONS</b>	<b>Temperature</b>	(25 ± 15) °C	<b>Relative Humidity</b>	(60 ± 15) %RH

### DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Certificate No.	Calibrated By	Calibration Due Date
1	Process Calibrator	CC205520000004619F	TNC	17.03.2022
2	Digital Multimeter with PRT Sensor	CC281200000001496F	TNPL	08.10.2021
3	Std. Weights	CC205521000004621F	TNC	17.03.2022
4	Digital Weighing Machine	CC205520000004620F	TNC	17.03.2022
5	Electrical Safety Analyzer	CC205520000000755F	TNC	18.01.2022

The Standards used for calibration are traceable to National Standards.

### CALIBRATION RESULT

Maxima Found at	Standard Wavelength	Tolerance Limit
360nm	360.50nm	(upto 400 nm)±1nm
419nm	418.80nm	(400 upto 600 nm)±3nm
453nm	455.90nm	(400 upto 600 nm)±3nm
537nm	537.5nm	(400 upto 600 nm)±3nm
640nm	639.50nm	(600 upto 1000 nm)±4nm

PARAMETER	DUC VALUE (°C)	STANDARD VALUE (°C)	ERROR (°C)	Uncertainty ± (%)
Temperature	20.1	20.002	0.098	0.95
	25.1	25.004	0.096	0.95
	28.2	28.009	0.191	0.95
	30.2	30.011	0.189	0.95
	35.3	35.018	0.282	0.95

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor k=2

#### Note :-

- DUC = Device Under Calibration
- The Certificate refers only to the particular items submitted for Calibration.
- This Certificate shall not be reproduced, except in full, without the permission of Hytech Instrument, Ghaziabad.
- Result Reported are Valid at the time of and under the stated conditions of measurement.
- Calibration Certificate issue for weight & Measure parameter of Mass, Length, Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commercial use.



**CALIBRATED BY**  
(Calib. Engineer)

**APPROVED BY**  
(QM / TM)





# HYTECH INSTRUMENT

2SF, C-2 Shriram Complex, Nyay Khand-I, Indirapuram, Ghaziabad-201014 (U.P) INDIA  
Ph. No. +91-9899380410, +91-9716668085, +91-7669021291-95

## Calibration Certificate

Format No. : HY/FM/33

Page No. : 02 of 02

<b>Certificate No.</b>	<b>HY/21/1121-2</b>	<b>CALIBRATION CERTIFICATE OF</b>  <b>Hematology Analyzer</b>
<b>Date of Calibration :</b>	10.08.2021	
<b>Next Date for Calibration</b>	10.08.2022	
<b>(As per agreed with the Customer)</b>		
<b>Certificate Issue Date</b>	11.08.2021	

### CALIBRATION RESULT

PARAMETER	DUC VALUE ( $\mu$ l)	STANDARD VALUE ( $\mu$ l)	ERROR ( $\mu$ l)	Uncertainty $\pm$ ( $\mu$ l)
Volume	200	200.07	-0.07	4.0
	500	500.13	-0.13	4.0

### 1. Electrical Safety

#### Visual Test

Sr. No	TESTS	REMARKS
1	Power Chords, Cable Check	OK
2	Main Socket Check	OK
3	Equipment Type (B/BF/CF)	B
4	Equipment Class (I/II/III)	I

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED  
III-WITH EXTRA SAFETY LOW VOLTAGE.

### 2. Electrical Safety Test

Sr. No	PARAMETERS	Measured Value	REMARKS
1	Voltage Between Line & Neutral (V in)	236.4 V	OK
2	Voltage Between Line & Earth (V ie)	243.6 V	OK
3	Voltage between Neutral & Earth (V en)	2.2 V	OK
4	Load Current (I a)	0.5 A	OK
5	Earth Leakage Current (I L)	7.8 $\mu$ A	OK
6	Enclosure Current	0.6 $\mu$ A	OK
7	Patient Leakage Current (P L)	0.7 $\mu$ A	OK

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor  $k=2$

#### Note :-

- DUC = Device Under Calibration
- The Certificate refers only to the particular items submitted for calibration.
- This Certificate shall not be reproduced, except in full, without the permission of Hytech Instrument, Ghaziabad.
- Result Reported are Valid at the time of and under the stated conditions of measurement.
- Calibration Certificate issue for weight & Measure parameters like Mass, Balance Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commercial use.

CALIBRATED BY  
(Calib. Engineer)

APPROVED BY  
(QM / TM)

