

Notification No.	
Work Order No.	



HIN-M02- 19189

**SERVICE REPORT**

**CUSTOMER COPY**

CUSTOMER DETAILS		INSTRUMENT DETAILS			SERVICE STATUS	
NAME: <u>SRL</u> <u>Diagnostic</u>	MODEL: <u>YH500</u>	EQUIP. SL. No.: <u>90140X402029</u>			VISITING PURPOSE: <input type="checkbox"/> REPAIR <input type="checkbox"/> DATA ERROR <input type="checkbox"/> INSTALLATION <input type="checkbox"/> MAINTENANCE <input type="checkbox"/> UPGRADE <input type="checkbox"/> CUSTOMER TRAINING <input type="checkbox"/> COURTESY VISIT <input type="checkbox"/> DEMO <input type="checkbox"/> OTHERS	
ADDRESS: <u>Mulund</u>	VERSION:	NOTIFICATION No.	CALL DETAILS	DATE	TIME	CUSTOMER STATUS <input checked="" type="checkbox"/> R.R <input type="checkbox"/> WARRANTY <input type="checkbox"/> AMC <input type="checkbox"/> CMC <input type="checkbox"/> DEMO <input type="checkbox"/> FREE SERVICE <input type="checkbox"/> CHARGEABLE CALL <input type="checkbox"/> OTHERS
PIN CODE	COMPLAINT RECD.					
CITY: <u>Mulund</u>	START			<u>30/10/20</u>	<u>12:45</u>	WORKS CARRIED OUT AT <input type="checkbox"/> SITE <input type="checkbox"/> SERVICE CENTRE
STATE: <u>MH</u>	COMPLETED			<u>30/10/20</u>	<u>16:30</u>	
TEL. NO.:	TRAVEL TIME (Eng. 1)			<u>2:30</u>	HOURS	
CONTACT PERSON:	TRAVEL TIME (Eng. 2)				HOURS	
	DAILY WORKLOAD					

PROBLEM REPORTED: Preventive maintenance & calibration  
OBSERVATIONS:

ACTION TAKEN: Done the preventive maintenance of instrument done the cleaning part the startup run the precision part of Run the samples near instrument work

FOLLOWING PARTS HAVE BEEN REPLACED  FOLLOWING PARTS NEED TO BE REPLACED PLEASE APPROVE

PART CODE.	DESCRIPTION (Replaced)	QTY.	COST	TAX	TOTAL

PART CODE.	DESCRIPTION (Trouble Shooting)	QTY.	TOTAL RS.

\*Replaced for Trouble Shooting  
Need to be returned after Trouble Shooting.

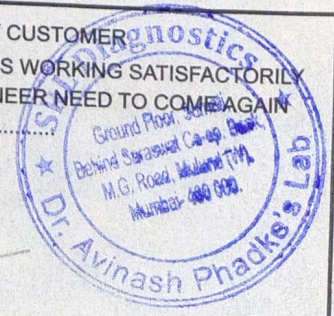
FOLLOW-UP ACTION (Spare need to replaced, if any)

TO BE FILLED IN BY CUSTOMER  
 FAULT RECTIFIED & INSTRUMENT IS WORKING SATISFACTORILY  
 FAULT IS NOT COMPLETED, ENGINEER NEED TO COME AGAIN  
 WE HEREBY APPROVE Rs. ....  
 COMMENTS (IF ANY)

ENGINEER'S NAME-1: Sagar Matal  
SIGNATURE: [Signature]  
DATE & TIME: [Signature]

ENGINEER'S NAME-2:  
SIGNATURE:  
DATE & TIME:

CUSTOMER SIGNATURE: [Signature]  
NAME:  
SEAL:





# Calibration Report

Sample ID 1  
Lot number CX464

Name MINOCAL

Exp. date 05/12/2021  
Modified on

Coefficient	WBC	RBC	HGB	HCT	PLT	MPV
New	1.181	0.916	0.947	1.011	0.856	1.051
Current	1.100	0.890	0.940	1.010	0.800	1.135
Target	8.70	4.51	13.0	37.4	258	11.2
Mean	8.10	4.38	12.9	36.3	241	12.1
CV(%)	1.00	1.34	0.28	1.32	3.62	1.18

Number of calibration run selected for coefficient calculation (minimum 5) 10/11

Sel.	Run Time	WBC (10 <sup>3</sup> /μL)	RBC (10 <sup>6</sup> /μL)	HGB (g/dL)	HCT (%)	PLT (10 <sup>3</sup> /μL)	MPV (μm <sup>3</sup> )
	30/10/2021 03:46:10 PM	7.92	4.17	12.9	34.6	246	11.8 h
✓	30/10/2021 03:47:29 PM	8.00	4.49	12.8	37.3	246	12.1 h
✓	30/10/2021 03:48:48 PM	8.03	4.30	12.8	35.7	256	12.0 h
✓	30/10/2021 03:50:10 PM	8.06	4.39	12.9	36.5	248	12.1 h
✓	30/10/2021 03:51:33 PM	8.06	4.39	12.8	36.4	236	12.0 h
✓	30/10/2021 03:52:55 PM	8.00	4.40	12.9	36.5	244	12.1 h
✓	30/10/2021 03:54:18 PM	8.13	4.40	12.9	36.5	240	12.1 h
✓	30/10/2021 03:56:14 PM	8.18	4.44	12.9	36.8	241	12.2 h
✓	30/10/2021 03:57:36 PM	8.18	4.29	12.9	35.6	223	11.9 h
✓	30/10/2021 03:58:58 PM	8.21	4.37	12.8	36.1	241	12.5 h
✓	30/10/2021 04:00:17 PM	8.17	4.36	12.8	36.1	236	12.1 h



## Repeatability Report (part 1)

Number of repeatability run report selected for statistic calculation 5/5

Coefficient	WBC (10 <sup>3</sup> /μL)	RBC (10 <sup>6</sup> /μL)	HGB (g/dL)	HCT (%)	PLT (10 <sup>3</sup> /μL)	MCV (μm <sup>3</sup> )	RDW-CV (%)	RDW-SD (μm <sup>3</sup> )	P-LCR (%)
Minimum	5.99	5.24	17.8	49.4	287	94.2	13.8	45.3	19.2
Maximum	6.22	5.52	17.9	52.2	305	94.6	14.3	46.9	22.3
Mean	6.11	5.41	17.9	51.0	296	94.3	14.0	45.8	20.3
Difference	0.23	0.27	0.1	2.8	18	0.4	0.5	1.6	3.1
2 SD	0.18	0.20	0.1	2.0	15	0.4	0.4	1.4	2.4
CV(%)	1.48	1.85	0.17	2.00	2.51	0.21	1.43	1.53	6.02

Sel	Run Date & Time	WBC (10 <sup>3</sup> /μL)	RBC (10 <sup>6</sup> /μL)	HGB (g/dL)	HCT (%)	PLT (10 <sup>3</sup> /μL)	MCV (μm <sup>3</sup> )	RDW-CV (%)	RDW-SD (μm <sup>3</sup> )	P-LCR (%)	Operator
✓	07/12/2021 01:49:09 PM	6.22	5.44	17.9	51.2	292	94.2	13.8	45.3	19.9	technician
✓	07/12/2021 01:50:59 PM	6.15	5.52	17.9	52.2	305	94.6	14.3	46.9	19.6	technician
✓	07/12/2021 01:53:11 PM	6.12	5.41	17.8	51.0	302	94.3	13.9	45.3	22.3	technician
✓	07/12/2021 01:55:50 PM	5.99	5.44	17.9	51.4	287	94.5	14.0	46.1	20.4	technician
✓	07/12/2021 01:59:31 PM	6.04	5.24	17.9	49.4	292	94.2	13.9	45.3	19.2	technician

## Repeatability Report (part 2)

Number of repeatability run report selected for statistic calculation 5/5

Coefficient	NEU% (%)	LYM% (%)	MON% (%)	EOS% (%)	BAS% (%)	LIC% (%)
Minimum	57.1	30.9	5.1	3.5	0.3	0.6
Maximum	58.7	31.9	6.7	4.7	0.7	0.8
Mean	57.8	31.5	6.0	4.3	0.4	0.7
Difference	1.6	1.0	1.6	1.2	0.4	0.2
2 SD	1.1	0.8	1.2	1.0	0.3	0.2
CV(%)	0.96	1.20	10.27	11.33	34.47	13.55

Sel	Run Date &Time	NEU% (%)	LYM% (%)	MON% (%)	EOS% (%)	BAS% (%)	LIC% (%)	Operator
✓	07/12/2021 01:49:09 PM	57.1	31.4	6.7	4.4	0.4	0.7	technician
✓	07/12/2021 01:50:59 PM	57.9	31.9	5.1	4.7	0.4	0.8	technician
✓	07/12/2021 01:53:11 PM	58.7	31.7	5.8	3.5	0.3	0.6	technician
✓	07/12/2021 01:55:50 PM	57.7	31.4	6.4	4.1	0.4	0.6	technician
✓	07/12/2021 01:59:31 PM	57.9	30.9	5.9	4.6	0.7	0.6	technician



**HORIBA**  
Medical

**HORIBA India Private Limited**

246, Okhla Industrial Estate Phase-III,  
New Delhi 110020, India  
Tel : +91 (11) 4646 5000 / 4669 5001  
Fax : +91 (11) 4646 5020  
http : //www.horiba.com  
CIN : U73100DL2006PTC153232

HIN/MED/2020-2021/100002  
30<sup>th</sup> Oct 2021

## **CALIBRATION CERTIFICATE**

This is to certify that the Hematology Analyzer **YUMIZEN H500** bearing serial number: **901YOXH02029** installed at **SRL LIMITED C/O Dr. Avinash Phadke Labs, Mulund Mumbai** as calibrated on 30<sup>th</sup> Oct 2021

Calibrator : ABX MINOCAL  
Lot No. : CX463  
Expiry Date : 05<sup>th</sup> Nov 2021

The reports of Blank Cycle, Repeatability and Calibration Values were all found in acceptable range.

Next calibration cycle is due on **29<sup>th</sup> Oct 2022.**



Shrish Dixit

(Head- Products & Marketing)  
For **Horiba India Pvt. Ltd.**