

Notification No.	
Work Order No.	



**SERVICE REPORT**

CUSTOMER COPY

HIN-M02-15249

CUSTOMER DETAILS		INSTRUMENT DETAILS			SERVICE STATUS	
NAME: Shradhadeep Green Cross Lab.		MODEL: 4H-550			VISITING PURPOSE:	
ADDRESS: Sec-7 Ginagar		EQUIP. SL. No.: 9094A x H02687			<input type="checkbox"/> REPAIR <input type="checkbox"/> DATA ERROR	
PIN CODE		VERSION: 1.2.1.1d			<input type="checkbox"/> INSTALLATION <input checked="" type="checkbox"/> MAINTENANCE	
CITY Gandhinagar		NOTIFICATION No.			<input type="checkbox"/> UPGRADE <input type="checkbox"/> CUSTOMER TRAINING	
STATE Gujarat		CALL DETAILS			<input type="checkbox"/> COURTESY VISIT <input type="checkbox"/> DEMO	
TEL. NO.:		DATE			<input type="checkbox"/> OTHERS	
CONTACT PERSON: Dr. Dinesh Rathod		TIME			CUSTOMER STATUS	
		COMPLAINT RECD.			<input type="checkbox"/> R.R. <input type="checkbox"/> WARRANTY	
		START 5/2/22 04:30			<input type="checkbox"/> AMC <input type="checkbox"/> CMC	
		COMPLETED 5/2/22 07:55			<input type="checkbox"/> DEMO <input type="checkbox"/> FREE SERVICE	
		TRAVEL TIME (Eng. 1) 2 HOURS			<input type="checkbox"/> CHARGEABLE CALL <input type="checkbox"/> OTHERS	
		TRAVEL TIME (Eng. 2) 2 HOURS			WORKS CARRIED OUT AT	
		DAILY WORKLOAD 20			<input type="checkbox"/> SITE <input type="checkbox"/> SERVICE CENTRE	

PROBLEM REPORTED: Due to preventive maintenance

OBSERVATIONS: - Unprime Reagent - Did visual cleaning  
- Changed PM kit as per protocol - Prime Reagent

ACTION TAKEN: - Run start up - Did all mech gain  
adjustment - Run start up - Run penetrability  
- Run calibrator (CX466 - Lot) 11 times  
- Run control - all working well

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

PART CODE.	DESCRIPTION (Replaced)	QTY.	COST	TAX	TOTAL
<del>1300033061</del> 1300033061	Yumizen Maintenance kit	1			
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	
		<input type="checkbox"/> FAULT RECTIFIED & INSTRUMENT IS WORKING SATISFACTORILY	
		<input type="checkbox"/> FAULT IS NOT COMPLETED, ENGINEER NEED TO COME AGAIN	
		<input type="checkbox"/> WE HEREBY APPROVE Rs. ....	
		<input type="checkbox"/> COMMENTS (IF ANY)	
ENGINEER'S NAME-1: DHARMIK R. SIGNATURE: <i>[Signature]</i> DATE & TIME: 5-2-22	ENGINEER'S NAME-2: NILESH SAPRA SIGNATURE: <i>[Signature]</i> DATE & TIME:	CUSTOMER SIGNATURE: <i>[Signature]</i> NAME: _____ SEAL: _____	

# Calibration Report

Sample ID CX466  
Lot number CX466

Name ABX MINOCAL

Exp. date 02/06/2022  
Modified on

Coefficient	WBC	RBC	HGB	HCT	PLT	MPV
New	1.120	0.998	0.984	1.046	1.084	1.063
Current	1.120	0.998	0.984	1.046	1.084	1.063
Target	8.80	4.51	13.5	39.2	251	10.2
Mean	9.09	4.57	13.5	39.1	236	9.8
CV(%)	1.50	1.51	0.67	1.63	3.48	1.07

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

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> )
✓	02/05/2022 06:38:02 PM	9.27 h	4.61 h	13.7	39.8	235 l	9.8
✓	02/05/2022 06:39:37 PM	9.26 h	4.63 h	13.6	39.7	247	9.7 l
✓	02/05/2022 06:41:32 PM	9.08 h	4.66 h	13.5	39.8	238 l	9.8
✓	02/05/2022 06:43:04 PM	8.99	4.61 h	13.5	39.6	232 l	9.8
✓	02/05/2022 06:44:33 PM	9.13 h	4.64 h	13.5	39.5	235 l	10.0
✓	02/05/2022 06:46:29 PM	8.92	4.52	13.5	38.6	238 l	9.7
✓	02/05/2022 06:48:05 PM	9.12 h	4.54	13.5	38.8	252	9.8
✓	02/05/2022 06:49:35 PM	8.89	4.50	13.5	38.5	221 l	9.7
✓	02/05/2022 06:51:07 PM	9.18 h	4.57	13.5	38.9	235 l	9.9
✓	02/05/2022 06:52:35 PM	8.93	4.55	13.4	39.0	237 l	9.8
✓	02/05/2022 06:54:04 PM	9.19 h	4.44 l	13.3	37.8 l	228 l	10.0

*A. Kethel*  
02/5/22

QC - Control Run Report

Run Date 02/05/2022 06:57:41 PM

Operator technician

Name ABXdifftrol H

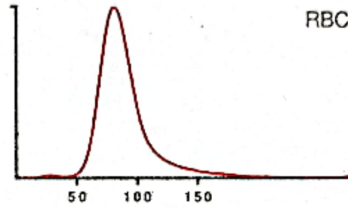
Sample ID PX433H

Level High

Exp. date 03/05/2022

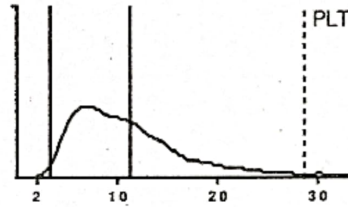
Lot number PX433H

			Range
RBC	5.18	10 <sup>6</sup> /μL	4.95 - 5.45
HGB	16.0	g/dL	15.8 - 17.0
HCT	47.7	%	44.8 - 49.8
MCV	92.0	μm <sup>3</sup>	86.0 - 96.0
MCH	30.9	pg	29.0 - 34.0
MCHC	33.6	g/dL	31.7 - 37.7
RDW-CV	12.7	%	10.0 - 18.0

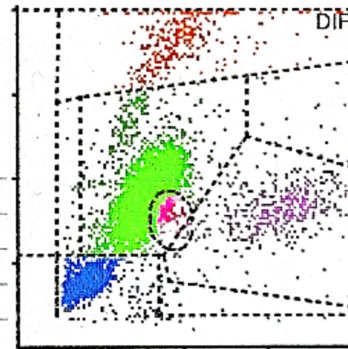


Alarms

			Range
PLT	524	10 <sup>3</sup> /μL	486 - 586
MPV	10.7	μm <sup>3</sup>	8.4 - 12.4



			Range		Range
WBC	16.47	10 <sup>3</sup> /μL	14.20 - 18.60		
	#	Range	%	Range	
NEU	11.76	9.89 - 13.69	71.4	61.9 - 81.9	
LYM	2.90	1.34 - 4.34	17.6	9.3 - 25.3	
MON	0.79	0.00 - 1.48	4.8	0.0 - 9.0	
EOS	0.60	0.00 - 1.32	3.6	0.0 - 8.0	
BAS	0.42	0.00 - 0.76	2.6	0.0 - 4.6	



Raw Data

PLT counts (by sections)

S1	S2	S3	S4	S5	S6
401	412	440	467	464	418
S7	S8	S9	S10	S11	S12
410	397	444	463	459	450

RBC counts (by sections)

S1	S2	S3	S4	S5	S6
4397	4377	4455	4395	4479	4279
S7	S8	S9	S10	S11	S12
4383	4304	4334	4328	4387	4381

WBC counts (by sections) and others

S1	S2	S3	S4	S5	S6
1055	1093	1118	1120	1075	1101
S7	S8	S9	S10	S11	
1040	1050	1044	1092	1095	

HBG measures (Optical Intensity)

L1	L2	L3	L4	L5	L6
3829	3829	3828	653	653	653
L7	L8	L9	L10	L11	L12
653	653	652	652	652	652
L13					
653					

RMeasured : 9963  
Correlated : 9954  
Optical intensity 196

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## Repeatability Report (part 1)

Number of repeatability run report selected for statistic calculation 11/11

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	7.22	4.49	13.0	37.5	216	83.5	11.4	42.8	17.5
Maximum	7.44	4.71	13.1	39.4	233	84.3	11.9	43.7	20.6
Mean	7.33	4.63	13.0	38.8	226	83.8	11.7	43.1	19.1
Difference	0.22	0.22	0.1	1.8	17	0.8	0.5	0.8	3.1
2 SD	0.13	0.12	0.1	1.0	11	0.4	0.3	0.8	1.8
CV(%)	0.89	1.31	0.34	1.31	2.41	0.25	1.19	0.91	4.65

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
02/05/2022 05:46:16 PM	7.32	4.60	13.0	38.6	224	83.9	11.8	43.7	19.0	technician
02/05/2022 05:48:28 PM	7.30	4.58	13.0	38.4	233	83.8	11.5	42.8	18.0	technician
02/05/2022 05:50:13 PM	7.39	4.61	13.0	38.9	229	84.3	11.8	43.7	19.8	technician
02/05/2022 05:52:05 PM	7.22	4.65	13.0	39.0	219	83.9	11.4	42.8	17.5	technician
02/05/2022 05:53:42 PM	7.36	4.65	13.0	38.9	232	83.7	11.6	42.8	19.1	technician
02/05/2022 05:55:53 PM	7.44	4.64	13.0	38.8	223	83.7	11.6	42.8	19.4	technician
02/05/2022 05:57:40 PM	7.27	4.65	13.0	39.0	230	83.8	11.6	42.8	18.5	technician
02/05/2022 05:59:26 PM	7.35	4.69	13.0	39.4	229	84.0	11.9	43.7	20.6	technician
02/05/2022 06:00:54 PM	7.39	4.66	13.1	39.0	228	83.7	11.6	42.8	19.2	technician
02/05/2022 06:02:34 PM	7.33	4.71	13.0	39.3	222	83.5	11.7	42.8	20.0	technician
02/05/2022 06:04:22 PM	7.26	4.49	13.0	37.5	216	83.7	11.6	42.8	19.5	technician

*[Handwritten Signature]*

## Repeatability Report (part 2)

Number of repeatability run report selected for statistic calculation 11/11

Coefficient	NEU% (%)	LYM% (%)	MON% (%)	EOS% (%)	BAS% (%)	LIC% (%)
Minimum	69.8	14.9	7.9	2.4	0.6	0.2
Maximum	72.8	17.4	9.2	3.3	1.2	0.6
Mean	71.2	16.3	8.8	2.9	0.9	0.4
Difference	3.0	2.5	1.3	0.9	0.6	0.4
2 SD	1.9	1.5	0.8	0.6	0.4	0.2
CV(%)	1.35	4.60	4.27	11.12	21.80	27.39

Sel	Run Date &Time	NEU% (%)	LYM% (%)	MON% (%)	EOS% (%)	BAS% (%)	LIC% (%)	Operator
✓	02/05/2022 05:46:16 PM	71.1	16.3	8.9	2.5	1.2	0.4	technician
✓	02/05/2022 05:48:28 PM	72.8	14.9	9.2	2.5	0.6	0.3	technician
✓	02/05/2022 05:50:13 PM	71.6	15.9	8.9	2.7	0.9	0.4	technician
✓	02/05/2022 05:52:05 PM	70.2	17.3	9.0	2.9	0.6	0.2	technician
✓	02/05/2022 05:53:42 PM	70.7	16.4	9.2	3.0	0.7	0.5	technician
✓	02/05/2022 05:55:53 PM	72.6	15.6	7.9	3.0	0.9	0.4	technician
✓	02/05/2022 05:57:40 PM	71.2	15.8	8.6	3.3	1.1	0.3	technician
✓	02/05/2022 05:59:26 PM	70.7	16.2	9.1	3.1	0.9	0.4	technician
✓	02/05/2022 06:00:54 PM	69.8	17.0	9.1	3.3	0.8	0.5	technician
✓	02/05/2022 06:02:34 PM	71.8	16.1	8.8	2.4	0.9	0.6	technician
✓	02/05/2022 06:04:22 PM	70.3	17.4	8.6	2.7	1.0	0.4	technician

## Blank Cycle Logs

Running Date Comments	Operator	WBC 10 <sup>3</sup> /μL	RBC 10 <sup>9</sup> /μL	HGB g/dL	PLT 10 <sup>3</sup> /μL	Status	Technical alarms
02/05/2022 08:52:44 AM	SGPL	0.00	0.00	0.0	0	Passed	
02/05/2022 05:26:49 PM	technician	0.09	0.01	0.0	19 H	Failed	
02/05/2022 05:38:21 PM	technician	0.04	0.01	0.0	8 H	Failed	
02/05/2022 05:42:38 PM	technician	0.02	0.01	0.0	3	Passed	

*Signature*

## Calibration Report

Sample ID CX454  
Lot number CX454

Name ABX MINOCAL

Exp. date 02/05/2021  
Modified on

Coefficient	WBC	RBC	HGB	HCT	PLT	MPV
New	1.157	1.011	0.984	0.972	1.019	1.021
Current	1.157	1.011	0.984	1.030	1.019	1.021
Target	8.75	4.58	13.3	38.7	255	11.3
Mean	8.67	4.44	13.5	37.2	265	10.7
CV(%)	1.14	1.05	0.54	1.10	2.44	1.15

Number of calibration run selected for coefficient calculation (minimum 5) 5/6

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> )
	01/16/2021 08:39:08 PM	8.97 h	4.50 l	13.7 h	37.9	262	10.9
✓	01/16/2021 08:40:39 PM	8.75	4.49 l	13.4	37.6 l	270 h	10.7 l
✓	01/16/2021 08:42:12 PM	8.66	4.41 l	13.5	37.0 l	258	10.6 l
✓	01/16/2021 08:43:47 PM	8.71	4.43 l	13.5 h	37.0 l	270 h	10.9
✓	01/16/2021 08:45:21 PM	8.72	4.38 l	13.6 h	36.7 l	258	10.7 l
✓	01/16/2021 08:46:55 PM	8.50 l	4.49 l	13.5	37.6 l	268 h	10.6 l