



Calibration Certificate : XP - 300



XP-Series Commissioning Report

Customer : Florelle Medical Services
 Serial No : C4057

Date : 3-Mar-2023

1 BACKGROUND VERIFICATION

1.1 Background check was done by executing the Auto Rinsing. The results are as below :

Parameters	Results	Acceptable Range	Status
WBC	0.000	$\leq 0.3 \times 10^3/\mu\text{L}$	PASS
RBC	0	$\leq 0.02 \times 10^6/\mu\text{L}$	PASS
HGB	0.000	$\leq 0.1\text{g/dL}$	PASS
PLT	0	$\leq 10 \times 10^3/\mu\text{L}$	PASS

2 SENSITIVITY ADJUSTMENT FOR WBC AND RBC

2.1 Material Used : Cellcheck-400 (P/N 814-0022-6)
 Lot No. : A2005
 Expiry date : 12-Jun-2023

2.2 Cellcheck-400 Assay Values

*(Target = A1003 - A3005:188.0, A3006 and thereafter: 180.5)

Parameter	Assay Values	Target	Min	Max
W-MFV*	182.0	180.5	177.5	183.5
R-MCV**,***	108.2	136.3	134.3	138.3

** (Assay value = MCV of CC-108)

*** (Target = 1.26 x Assay value)

2.3 Cellcheck-400 latex was measured. The results are as below :

Parameters	Results	Target	Status
W-MFV	179.5	180.5	PASS
R-MCV	138.1	136.3	PASS

3 SENSITIVITY ADJUSTMENT FOR PLT

3.1 Material Used : Latex Calibrator PLT (P/N 951-0222-1)
 Lot No. : 921
 Expiry date : 13-Sep-2023

3.2 Latex Calibrator PLT was measured. The result are as below :

Parameters	Results	Target	Acceptable Range	Status
P-MFV*	12.9	12.9	$\pm 0.2 \text{ fL}$	PASS

*(Please check the Target from the label of bottle)



4 BLANK ADJUSTMENT HGB

4.1 HGB blank result is as below :

Parameters	Results	Assay Value	Status
<i>HGB Blank</i>	1934	2000 ± 200	PASS

5 SENSITIVITY ADJUSTMENT FOR HGB

5.1 QC Material : Eightcheck-3WP (Normal)
 Lot No. : 23370822
 Expiry date : 11-Mar-2023

5.2 Eightcheck-3WP Normal

Parameter	Assay Value	Min	Max
<i>HGB</i>	12.3	11.8	12.8

5.3 Eightcheck-3WP Normal was measured. The result is as below :

Parameters	Results	Assay Value	Status
<i>HGB</i>	12.3	12.3	PASS

6 CLOG LEVEL ADJUSTMENT FOR WBC AND RBC

6.1 Clog results are as below :

Parameters	Results	Clog Value	Status
<i>WBC Clog</i>	100	100 ± 1.0	PASS
<i>RBC Clog</i>	100	100 ± 1.0	PASS

7 SYSMEX SCS-1000 CALIBRATION

7.1 Calibrator Used : SCS-1000
 Lot : 30520525
 Expiry : 26-Mar-2023

7.2 SCS-1000 Assay Target Values

Parameter	Target	Min	Max
WBC	7.12	6.81	7.42
RBC	4.302	4.216	4.388
HGB	11.67	11.55	11.78
HCT	32.03	31.32	32.73
MCV	0.00		
PLT	262.0	248.9	275.1

7.3 Results of SCS-1000 before calibration

Parameter	2nd Run	3rd Run	4th Run	5th Run	6th Run	Mean	SD	CV %	Status	
									Target	CV %
WBC	7.20	7.00	7.20	7.10	7.20	7.140	0.089	1.25	PASS	PASS
RBC	4.24	4.29	4.25	4.27	4.30	4.270	0.025	0.60	PASS	PASS
HGB	11.4	11.4	11.4	11.4	11.5	11.42	0.045	0.39	FAIL	PASS
HCT	29.90	30.3	30.1	30.2	30.5	30.20	0.224	0.74	FAIL	PASS
MCV						0.00	#DIV/0!	#DIV/0!	PASS	#DIV/0!
PLT	256.00	274	268	253	248	259.8	10.826	4.17	PASS	PASS

7.4 Results of SCS-1000 after calibration

Parameter	2nd Run	3rd Run	4th Run	5th Run	6th Run	Mean	SD	CV %	Status	
									Target	CV %
WBC	7.00	7.00	7.10	7.10	7.10	7.060	0.055	0.78	PASS	PASS
RBC	4.33	4.31	4.37	4.31	4.36	4.336	0.028	0.64	PASS	PASS
HGB	11.7	11.7	11.7	11.8	11.7	11.72	0.045	0.38	PASS	PASS
HCT	32.30	32.1	32.6	32.2	32.4	32.32	0.192	0.60	PASS	PASS
MCV						0.00	#DIV/0!	#DIV/0!	PASS	#DIV/0!
PLT	248.00	267	263	257	252	257.4	7.765	3.02	PASS	PASS

8 **PERFORMANCE VERIFICATION BY USING SYSMEX EIGHTCHECK-3WP**

8.1 QC Material : Eightcheck-3WP Low
 Eightcheck-3WP Normal
 Eightcheck-3WP High
 Lot No. : 23370822
 Expiry date : 11-03-2023

8.2 Eightcheck-3WP (Low) results :

Parameter	Result	Eightcheck Assay Value				Status
		Target	Limit	Min	Max	
WBC	3.5	3.4	0.4	3.0	3.8	PASS
RBC	2.68	2.58	0.13	2.5	2.7	PASS
HGB	6.0	6.0	0.3	5.7	6.3	PASS
HCT	18.4	17.9	1.5	16.4	19.4	PASS
MCV	68.7	68.2	4.1	64.1	72.3	PASS
MCH	22.4	23.3	1.4	21.9	24.7	PASS
MCHC	32.6	34.1	2.7	31.4	36.8	PASS
PLT	86	87	26	61.0	113.0	PASS

8.3 Eightcheck-3WP (Normal) results :

Parameter	Result	Eightcheck Assay Value				Status
		Target	Limit	Min	Max	
WBC	7.2	7.1	0.5	6.6	7.6	PASS
RBC	4.35	4.32	0.17	4.2	4.5	PASS
HGB	12.5	12.3	0.4	11.9	12.7	PASS
HCT	34.3	34.1	2.6	31.5	36.7	PASS
MCV	78.9	78.9	3.9	75.0	82.8	PASS
MCH	28.7	28.5	1.6	26.9	30.1	PASS
MCHC	36.4	36.1	2.5	33.6	38.6	PASS
PLT	231	239	36	203.0	275.0	PASS

8.4 Eightcheck-3WP (High) results :

Parameter	Result	Eightcheck Assay Value				Status
		Target	Limit	Min	Max	
WBC	18.3	17.8	1.2	16.6	19.0	PASS
RBC	5.22	5.20	0.21	5.0	5.4	PASS
HGB	16.3	16.2	0.6	15.6	16.8	PASS
HCT	44.8	44.4	3.3	41.1	47.7	PASS
MCV	85.8	85.4	4.3	81.1	89.7	PASS
MCH	31.2	31.2	1.7	29.5	32.9	PASS
MCHC	36.4	36.5	2.6	33.9	39.1	PASS
PLT	544	562	73	489.0	635.0	PASS

Calibration Certificate

9 CERTIFICATION

9.1 We certify that the XP Automated Haematology analyzer S/N : **C4057** has been successfully calibrated in accordance with the manufacturer's recommendations.

Report and Calibration Performed By :

Report Reviewed and Accepted By :

Sumanta Kumar Das.
Signature (Engineer 1)

Name : Sumanta Kumar Das

Date : 03-03-2023

Simi Das
Signature (Customer)

Name : Dr. Simi Das

Date : 03/03/23

N/A
Signature (Engineer 2)

Name : _____

Date : _____



Company Stamp : (Vendor)



Company Stamp : (Customer)