

- **Calibration:** To calibrate the Instrument using calibrator (ABX Minocal) and verify the same.

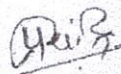
Procedure: Go to Quality Assurance icon on main screen and then Calibration icon. Run Calibrator (ABX Minocal) 11 times, without taking the values of first run, calibrate the instrument using average of the last 11 runs. Run Calibrator as a sample to verify the calibration.

Lot: CX495; **Expiry:** 5/07/2024.

Serial No: 2010T100080

Parameter	Target Value (As per Kit Insert)	Mean Value	Observed CV%	Acceptance CV%	Comments
WBC	9.0	9.29	0.97	<2%	PASSED
RBC	4.47	4.32	1.13	<2%	PASSED
HGB	13.3	13.31	0.6	<1%	PASSED
HCT	36.2	35.59	0.85	<2%	PASSED
PLT	231	204.26	2.24	<5%	PASSED

A. Conducted By: Prashant Pawar

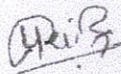


- **Carryover Study:** Carry over is checked by running quality controls (Low & high) in 3 replicates & getting CV% in within acceptance.
- Carry Over $\% = (L1-L3) * 100 / (H3-L3)$.

Serial No: 2010T100080

Parameters	WBC $10^3/\text{mm}^3$	RBC $10^6/\text{mm}^3$	HGB g/dL	HCT %	PLT $10^3/\text{mm}^3$
Carry Over (%)	0.65	1.08	0.0	0.70	0.25
Manufacturer acceptable CV%	<2%	<2%	<2%	<2%	<2%
Status	Passed	Passed	Passed	Passed	Passed

Conducted By: Prashant Pawar



A. Instrument Identification:

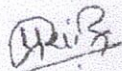
Instrument Name : ABX MICROS 60 OT
Serial Number : 2010T100080

B. Following is the list of tests to be performed and verified

- Blank Reference cycle: To verify the Startup Cycle of the instrument.

Serial No: 2010T100080

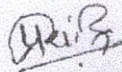
Parameters	Acceptable Range	Observed Value	Verified by Sign/Date
WBC $10^3/\text{mm}^3$	$\leq 0.3 \times 10^3/\text{mm}^3$	0.2	PASSED
RBC $10^6/\text{mm}^3$	$\leq 0.03 \times 10^6/\text{mm}^3$	0.00	PASSED
HGB g/dl	$\leq 0.3 \text{ g/dl}$	0.0	PASSED
PLT $10^3/\text{mm}^3$	$\leq 7 \times 10^3/\text{mm}^3$	2	PASSED
LMNE	$< 0.30 \#$	0.16	PASSED

C. Conducted By: Prashant Pawar

Level III: High Control

Parameters	Range (As per Kit Insert)	Observed Value Dated 20/05/2024	Comments
RBC $10^6/\text{mm}^3$	4.87 – 5.37	5.09	Passed
HGB g/Dl	16.0 – 17.2	16.5	Passed
HCT %	44.6 – 49.6	46.3	Passed
MCV μm^3	87 – 97	92	Passed
MCH pg	29.9 – 34.9	32.9	Passed
MCHC g/Dl	32.2 – 38.2	35.7	Passed
RDW %	8.0 – 16.0	12.8	Passed
PLT $10^3/\text{mm}^3$	420 – 520	456	passed
MPV μm^3	7.1 – 11.1	9.2	Passed
WBC $10^3/\text{mm}^3$	16.5 – 20.9	18.3	Passed
NEU %	60.9 – 80.9	69.2	Passed
NEU #	11.36 – 15.16	12.69	Passed
LYM %	11.1 – 27.1	20.1	Passed
LYM #	2.06 – 5.06	3.69	Passed
MON %	0.0 – 4.2	2.2	Passed
MON #	0.00 – 0.78	0.40	Passed
EOS %	0.0 – 8.0	4.6	Passed
EOS #	0.00 – 1.50	0.84	Passed
BAS %	0.0 – 7.8	3.9	Passed
BAS #	0.00 – 1.46	0.72	Passed

Conducted By: Prashant Pawar



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- **Precision Study:** Precision is checked by running blood sample in 10 replicates & getting CV% in within acceptance.

Serial No : 2010T100080

Parameters	CV % Acceptance	CV % Observed	Comments
RBC $10^6/\text{mm}^3$	< 2.0	1.14	PASSED
HGB g/dL	< 1.5	0.65	PASSED
HCT %	< 2.0	1.04	PASSED
PLT $10^3/\text{mm}^3$	< 5.0	1.84	PASSED
WBC $10^3/\text{mm}^3$	< 2.5	1.14	PASSED

A. Conducted By: Prashant Pawar

Prashant Pawar

- **Control Runs:** The quality of the analyzer is checked by running three levels of Controls & getting the values in the range as per the kit insert.
 - **Lot:** ABX Difftrol PX447 **Exp:** 05/07/2024.

Serial No: 001PXL9016
Level I: Low Control

Parameters	Range (As per Kit Insert)	Observed Value Dated 20/05/2024	Comments
RBC $10^6/\text{mm}^3$	2.13 - 2.45	2.29	Passed
HGB g/Dl	5.7 - 6.5	6.1	Passed
HCT %	16.6 - 19.6	18.0	Passed
MCV μm^3	74 - 84	79	Passed
MCH pg	24.6 - 28.6	26.7	Passed
MCHC g/Dl	30.7 - 36.7	34.0	Passed
RDW %	10.5 - 18.5	15.7	Passed
PLT $10^3/\text{mm}^3$	41 - 81	60	Passed
MPV μm^3	6.4 - 10.4	8.7	Passed
WBC $10^3/\text{mm}^3$	2.8 - 3.6	3.1	Passed
NEU %	37.0 - 57.0	44.7	Passed
NEU #	1.15 - 1.85	1.41	Passed
LYM %	28.9 - 52.9	41.8	Passed
LYM #	0.98 - 1.64	1.31	Passed
MON %	0.0 - 6.8	3.8	Passed
MON #	0.00 - 0.22	0.12	Passed
EOS %	0.00 - 12.2	7.1	Passed
EOS #	0.00 - 0.40	0.22	Passed
BAS %	0.00 - 5.2	2.6	Passed
BAS #	0.0 - 0.16	0.08	Passed

Level II: Normal Control

Parameters	Range (As per Kit Insert)	Observed Value Dated 20/05/2024	Comments
RBC $10^6/\text{mm}^3$	4.33 – 4.73	4.59	Passed
HGB g/Dl	12.9 – 13.9	13.5	Passed
HCT %	36.5 – 40.5	38.7	Passed
MCV μm^3	80 – 90	84	Passed
MCH pg	27.6 – 31.6	29.5	Passed
MCHC g/Dl	31.8 – 37.8	34.9	Passed
RDW %	9.5 – 17.5	13.4	Passed
PLT $10^3/\text{mm}^3$	223 – 283	246	Passed
MPV μm^3	6.4 – 10.4	8.3	Passed
WBC $10^3/\text{mm}^3$	7.9 – 9.9	8.7	Passed
NEU %	41.5 – 61.5	49.9	Passed
NEU #	3.68 – 5.48	4.36	Passed
LYM %	32.1 – 48.1	41.8	Passed
LYM #	2.87 – 4.27	3.65	Passed
MON %	0.0 – 4.8	1.9	Passed
MON #	0.00 – 0.42	0.17	Passed
EOS %	0.0 – 6.4	3.6	Passed
EOS #	0.0 – 0.56	0.31	Passed
BAS %	0.0 – 5.6	2.8	Passed
BAS #	0.0 – 0.50	0.24	Passed