



HEMATOLOGY CONTROL FOR SYSMEX XT-1800i™ and XT-2000i™ ANALYZERS

OPEN MODE ASSAY

Expiration Date: 2019-08-05		Quality Control Data Due Date #1: 24-Jun-19			Quality Control Data Due Date #2: 5-Aug-19				
Lot Number:		91350801		91350802		91350803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.30	2.21	- 2.39	4.36	4.19	- 4.53	5.30	5.09	- 5.51
HGB (g/dL)	5.6	5.3	- 5.8	11.8	11.4	- 12.1	15.6	15.1	- 16.0
HCT (%)	17.1	16.1	- 18.1	34.4	32.7	- 36.1	44.9	42.7	- 47.1
MCV (fL)	74.3	69.8	- 78.8	78.9	75.0	- 82.8	84.7	80.5	- 88.9
MCH (pg)	24.2	22.5	- 25.9	27.0	25.4	- 28.6	29.4	27.9	- 30.9
MCHC (g/dL)	32.5	29.6	- 35.4	34.2	31.8	- 36.6	34.7	32.3	- 37.1
PLT (10 ⁹ /L)	60	44	- 76	227	202	- 252	539	496	- 582
RDW-SD (fL)	44.4	40.0	- 48.8	45.8	41.2	- 50.4	46.5	40.9	- 52.1
RDW-CV (%)	16.7	15.0	- 18.4	16.6	15.3	- 17.9	15.7	14.4	- 17.0
MPV (fL)	8.7	7.6	- 9.8	9.1	8.5	- 9.7	9.3	8.8	- 9.8
WBC (10 ⁹ /L)	2.98	2.56	- 3.40	7.09	6.38	- 7.80	16.56	15.07	- 18.05
NEUT%	43.0	37.0	- 49.0	46.4	41.8	- 51.0	50.5	46.0	- 55.0
LYMPH%	36.2	27.9	- 44.5	33.3	27.6	- 39.0	27.8	24.2	- 31.4
MONO%	11.7	4.2	- 19.2	10.7	6.0	- 15.4	11.1	6.8	- 15.4
EO%	9.1	5.7	- 12.5	9.6	6.1	- 13.1	10.6	6.9	- 14.3
BASO%	64.1	57.7	- 70.5	66.3	62.3	- 70.3	76.3	72.5	- 80.1
NEUT# (10 ⁹ /L)	1.28	1.02	- 1.54	3.29	2.80	- 3.78	8.37	7.28	- 9.46
LYMPH# (10 ⁹ /L)	1.08	0.79	- 1.37	2.36	1.89	- 2.83	4.61	3.87	- 5.35
MONO# (10 ⁹ /L)	0.35	0.12	- 0.58	0.76	0.42	- 1.10	1.83	1.10	- 2.56
EO# (10 ⁹ /L)	0.27	0.16	- 0.38	0.68	0.43	- 0.93	1.75	1.12	- 2.38
BASO# (10 ⁹ /L)	1.91	1.57	- 2.25	4.70	4.14	- 5.26	12.63	11.37	- 13.89
PLT-O (10 ⁹ /L)	59	38	- 80	222	180	- 264	569	478	- 660
RET# (10 ¹² /L)	0.1174	0.0834	- 0.1514	0.0815	0.0538	- 0.1092	0.0480	0.0288	- 0.0672
RET%	5.11	3.78	- 6.44	1.87	1.33	- 2.41	0.91	0.54	- 1.28
IRF (%)	56.2	14.6	- 97.8	47.9	9.1	- 86.7	31.5	3.8	- 59.2
IG # ^a	0.33	0.25	- 0.41	0.88	0.70	- 1.06	2.35	1.36	- 3.34
IG % ^a	11.54	9.23	- 13.85	12.62	10.35	- 14.89	13.57	7.87	- 19.27
RET-He (pg) ^b	24.0	21.6	- 26.4	23.8	21.4	- 26.2	23.7	20.4	- 27.0

^a IG values are only available with the Sysmex XT-Series IG Master software.

^b RET-HE values are only available with the Sysmex XT-Series RET Master software.



HEMATOLOGY CONTROL FOR SYSMEX XT-1800i™ and XT-2000i™ ANALYZERS

CLOSED MODE ASSAY

Expiration Date: 2019-08-05		Quality Control Data Due Date #1: 24-Jun-19			Quality Control Data Due Date #2: 5-Aug-19				
Lot Number:		91350801		91350802		91350803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.30	2.21	- 2.39	4.36	4.19	- 4.53	5.19	4.98	- 5.40
HGB (g/dL)	5.6	5.4	- 5.8	11.9	11.5	- 12.2	15.4	15.0	- 15.9
HCT (%)	17.1	16.1	- 18.1	34.4	32.7	- 36.1	44.9	42.7	- 47.1
MCV (fL)	74.3	69.8	- 78.8	78.9	75.0	- 82.8	86.5	82.2	- 90.8
MCH (pg)	24.3	22.6	- 26.0	27.3	25.7	- 28.9	29.7	28.2	- 31.2
MCHC (g/dL)	32.7	29.8	- 35.6	34.6	32.2	- 37.0	34.3	31.9	- 36.7
PLT (10 ⁹ /L)	61	45	- 77	220	196	- 244	496	456	- 536
RDW-SD (fL)	44.4	40.0	- 48.8	45.8	41.2	- 50.4	46.5	40.9	- 52.1
RDW-CV (%)	16.7	15.0	- 18.4	16.6	15.3	- 17.9	15.7	14.4	- 17.0
MPV (fL)	8.7	7.6	- 9.8	9.1	8.5	- 9.7	9.3	8.8	- 9.8
WBC (10 ⁹ /L)	2.98	2.56	- 3.40	6.88	6.19	- 7.57	16.06	14.61	- 17.51
NEUT%	43.4	37.3	- 49.5	46.5	41.9	- 51.2	51.4	46.8	- 56.0
LYMPH%	36.2	27.9	- 44.5	33.3	27.6	- 39.0	27.6	24.0	- 31.2
MONO%	11.7	4.2	- 19.2	10.5	5.9	- 15.1	10.7	6.5	- 14.9
EO%	8.7	5.5	- 11.9	9.7	6.2	- 13.2	10.3	6.7	- 13.9
BASO%	63.4	57.1	- 69.7	65.6	61.7	- 69.5	75.5	71.7	- 79.3
NEUT# (10 ⁹ /L)	1.29	1.03	- 1.55	3.20	2.72	- 3.68	8.25	7.18	- 9.32
LYMPH# (10 ⁹ /L)	1.08	0.79	- 1.37	2.29	1.83	- 2.75	4.43	3.72	- 5.14
MONO# (10 ⁹ /L)	0.35	0.12	- 0.58	0.72	0.40	- 1.04	1.72	1.03	- 2.41
EO# (10 ⁹ /L)	0.26	0.16	- 0.36	0.67	0.42	- 0.92	1.66	1.06	- 2.26
BASO# (10 ⁹ /L)	1.89	1.55	- 2.23	4.51	3.97	- 5.05	12.12	10.91	- 13.33
PLT-O (10 ⁹ /L)	59	38	- 80	222	180	- 264	552	464	- 640
RET# (10 ¹² /L)	0.1057	0.0750	- 0.1364	0.0815	0.0538	- 0.1092	0.0480	0.0288	- 0.0672
RET%	4.60	3.40	- 5.80	1.87	1.33	- 2.41	0.91	0.54	- 1.28
IRF (%)	56.2	14.6	- 97.8	47.9	9.1	- 86.7	31.5	3.8	- 59.2
IG # ^a	0.34	0.26	- 0.42	0.90	0.72	- 1.08	2.30	1.33	- 3.27
IG % ^a	11.77	9.42	- 14.12	12.87	10.55	- 15.19	13.84	8.03	- 19.65
RET-He (pg) ^b	24.0	21.6	- 26.4	23.8	21.4	- 26.2	23.7	20.4	- 27.0

^a IG values are only available with the Sysmex XT-Series IG Master software.

^b RET-HE values are only available with the Sysmex XT-Series RET Master software.