



e-CHECK™ (XE)

HEMATOLOGY CONTROL FOR SYSMEX XT-4000i™, XT-2000i™ and XT-1800i™ ANALYZERS
OPEN MODE ASSAY

Expiration Date:		2024-09-23		Quality Control Data Due Date #1: 12-Aug-24		Quality Control Data Due Date #2: 23-Sep-24	
Lot Number:		41850810		41850811		41850812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.28	2.19 - 2.37	4.37	4.20 - 4.55	5.36	5.14 - 5.57	
HGB (g/dL)	5.5	5.3 - 5.7	12.0	11.6 - 12.3	15.9	15.5 - 16.4	
HCT (%)	17.2	16.1 - 18.2	35.5	33.7 - 37.2	46.6	44.3 - 48.9	
MCV (fL)	75.3	70.8 - 79.8	81.1	77.0 - 85.1	87.0	82.7 - 91.4	
MCH (pg)	24.1	22.4 - 25.8	27.3	25.7 - 29.0	29.7	28.2 - 31.2	
MCHC (g/dL)	32.1	29.2 - 34.9	33.7	31.4 - 36.1	34.2	31.8 - 36.6	
PLT (10 ⁹ /L)	58	43 - 74	218	194 - 242	524	482 - 566	
RDW-SD (fL)	46.4	41.8 - 51.0	45.5	40.9 - 50.0	44.6	39.2 - 49.9	
RDW-CV (%)	17.3	15.5 - 19.0	15.8	14.6 - 17.1	14.6	13.4 - 15.7	
MPV (fL)	9.4	8.2 - 10.7	9.9	9.2 - 10.5	10.1	9.6 - 10.6	
WBC (10 ⁹ /L)	3.00	2.58 - 3.42	7.08	6.37 - 7.79	18.41	16.75 - 20.07	
WBC-D (10 ⁹ /L)	2.88	2.51 - 3.26	6.41	5.70 - 7.11	17.01	15.31 - 18.71	
NEUT%	44.5	38.2 - 50.7	48.5	43.6 - 53.3	51.7	47.0 - 56.3	
LYMPH%	36.5	28.1 - 44.9	31.2	25.9 - 36.5	25.3	22.0 - 28.6	
MONO%	10.3	3.7 - 16.9	10.6	5.9 - 15.2	11.7	7.1 - 16.2	
EO%	8.7	5.5 - 12.0	9.7	6.2 - 13.3	11.3	7.4 - 15.3	
BASO%	61.1	55.0 - 67.2	65.9	61.9 - 69.8	74.7	71.7 - 77.7	
NEUT# (10 ⁹ /L)	1.33	1.07 - 1.60	3.43	2.92 - 3.94	9.51	8.28 - 10.75	
LYMPH# (10 ⁹ /L)	1.10	0.80 - 1.39	2.21	1.77 - 2.65	4.66	3.92 - 5.41	
MONO# (10 ⁹ /L)	0.31	0.11 - 0.51	0.75	0.41 - 1.08	2.15	1.29 - 3.01	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.69	0.43 - 0.95	2.09	1.34 - 2.84	
BASO# (10 ⁹ /L)	1.84	1.50 - 2.17	4.66	4.10 - 5.22	13.75	12.38 - 15.13	
PLT-O (10 ⁹ /L)	51	33 - 69	200	162 - 238	504	423 - 584	
RET# (10 ¹² /L)	0.1203	0.0854 - 0.1551	0.0834	0.0550 - 0.1117	0.0425	0.0255 - 0.0595	
RET%	5.28	3.91 - 6.65	1.91	1.35 - 2.46	0.79	0.47 - 1.12	
IRF (%)	51.4	13.4 - 89.5	43.9	8.3 - 79.4	28.7	3.4 - 53.9	
IG (#)	0.36	0.27 - 0.44	0.93	0.74 - 1.11	2.51	1.46 - 3.57	
IG (%)	11.8	9.5 - 14.2	13.1	10.7 - 15.4	13.6	7.9 - 19.4	
RET-He (pg)	23.2	20.8 - 25.5	23.7	21.3 - 26.0	24.1	20.7 - 27.5	

*Not all parameters are available on all analyzer models

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Lot Number:		41850810		41850811		41850812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.28	2.19 - 2.37	4.37	4.20 - 4.55	5.30	5.09 - 5.52	
HGB (g/dL)	5.5	5.3 - 5.7	12.2	11.8 - 12.6	15.9	15.5 - 16.4	
HCT (%)	17.2	16.1 - 18.2	35.5	33.7 - 37.2	46.6	44.3 - 48.9	
MCV (fL)	75.3	70.8 - 79.8	81.1	77.0 - 85.1	87.9	83.5 - 92.3	
MCH (pg)	24.1	22.4 - 25.8	27.9	26.2 - 29.6	30.0	28.5 - 31.5	
MCHC (g/dL)	32.1	29.2 - 34.9	34.4	32.0 - 36.8	34.2	31.8 - 36.6	
PLT (10 ⁹ /L)	58	43 - 74	209	186 - 232	482	443 - 520	
RDW-SD (fL)	46.4	41.8 - 51.0	45.5	40.9 - 50.0	44.6	39.2 - 49.9	
RDW-CV (%)	17.3	15.5 - 19.0	15.8	14.6 - 17.1	14.6	13.4 - 15.7	
MPV (fL)	9.4	8.2 - 10.7	9.9	9.2 - 10.5	10.1	9.6 - 10.6	
WBC (10 ⁹ /L)	3.00	2.58 - 3.42	6.87	6.18 - 7.55	17.86	16.25 - 19.46	
WBC-D (10 ⁹ /L)	2.91	2.53 - 3.29	6.60	5.87 - 7.33	17.18	15.46 - 18.90	
NEUT%	44.7	38.5 - 51.0	48.6	43.7 - 53.4	51.3	46.7 - 56.0	
LYMPH%	36.5	28.1 - 44.9	31.5	26.2 - 36.9	26.0	22.6 - 29.3	
MONO%	10.3	3.7 - 16.9	10.1	5.7 - 14.6	11.2	6.8 - 15.6	
EO%	8.5	5.3 - 11.6	9.7	6.2 - 13.3	11.5	7.5 - 15.5	
BASO%	61.1	55.0 - 67.2	65.2	61.3 - 69.1	75.4	72.4 - 78.5	
NEUT# (10 ⁹ /L)	1.34	1.07 - 1.61	3.33	2.83 - 3.84	9.17	7.97 - 10.36	
LYMPH# (10 ⁹ /L)	1.10	0.80 - 1.39	2.17	1.73 - 2.60	4.64	3.89 - 5.38	
MONO# (10 ⁹ /L)	0.31	0.11 - 0.51	0.70	0.38 - 1.01	2.00	1.20 - 2.80	
EO# (10 ⁹ /L)	0.25	0.16 - 0.35	0.67	0.42 - 0.92	2.06	1.32 - 2.80	
BASO# (10 ⁹ /L)	1.84	1.50 - 2.17	4.48	3.94 - 5.01	13.47	12.12 - 14.82	
PLT-O (10 ⁹ /L)	51	33 - 69	200	162 - 238	489	410 - 567	
RET# (10 ¹² /L)	0.1142	0.0811 - 0.1474	0.0834	0.0550 - 0.1117	0.0421	0.0252 - 0.0589	
RET%	5.01	3.71 - 6.32	1.91	1.35 - 2.46	0.79	0.47 - 1.12	
IRF (%)	51.4	13.4 - 89.5	43.9	8.3 - 79.4	28.7	3.4 - 53.9	
IG (#)	0.36	0.27 - 0.44	0.90	0.72 - 1.08	2.44	1.41 - 3.46	
IG (%)	11.8	9.5 - 14.2	13.1	10.7 - 15.4	13.6	7.9 - 19.4	
RET-He (pg)	23.2	20.8 - 25.5	23.7	21.3 - 26.0	24.1	20.7 - 27.5	

*Not all parameters are available on all analyzer models

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