



**e-CHECK™ (XE)**

HEMATOLOGY CONTROL FOR SYSMEX XT-4000i™, XT-2000i™ and XT-1800i™ Analyzers

**OPEN MODE ASSAY**

Expiration Date: <b>2019-07-08</b>		Quality Control Data Due Date #1: 27-May-19			Quality Control Data Due Date #2: 8-Jul-19		
Lot Number:		91090810		91090811		91090812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>OPEN</b>	RBC (10 <sup>12</sup> /L)	2.34	2.25 - 2.43	4.37	4.20 - 4.54	5.34	5.13 - 5.55
	HGB (g/dL)	5.6	5.4 - 5.8	11.8	11.4 - 12.2	16.4	15.9 - 16.9
	HCT (%)	17.5	16.5 - 18.6	35.2	33.4 - 37.0	47.5	45.1 - 49.9
	MCV (fL)	74.8	70.3 - 79.3	80.5	76.5 - 84.5	89.0	84.6 - 93.5
	MCH (pg)	24.0	22.3 - 25.7	27.0	25.4 - 28.6	30.8	29.3 - 32.3
	MCHC (g/dL)	32.1	29.2 - 35.0	33.5	31.2 - 35.8	34.6	32.2 - 37.0
	PLT (10 <sup>9</sup> /L)	57	42 - 72	221	197 - 245	526	484 - 568
	RDW-SD (fL)	44.2	39.8 - 48.6	45.5	41.0 - 50.1	42.8	37.7 - 47.9
	RDW-CV (%)	16.6	14.9 - 18.3	16.1	14.8 - 17.4	13.9	12.8 - 15.0
	MPV (fL)	8.8	7.7 - 9.9	9.2	8.6 - 9.8	9.4	8.9 - 9.9
	WBC (10 <sup>9</sup> /L)	3.02	2.60 - 3.44	7.01	6.31 - 7.71	17.93	16.32 - 19.54
	WBC-D (10 <sup>9</sup> /L)	2.91	2.53 - 3.29	6.28	5.59 - 6.97	17.07	15.36 - 18.78
	NEUT%	42.2	36.3 - 48.1	46.4	41.8 - 51.0	50.3	45.8 - 54.8
	LYMPH%	36.8	28.3 - 45.3	32.4	26.9 - 37.9	27.2	23.7 - 30.7
	MONO%	12.2	4.4 - 20.0	11.0	6.2 - 15.8	11.2	6.8 - 15.6
	EO%	8.8	5.5 - 12.1	10.2	6.5 - 13.9	11.2	7.3 - 15.1
	BASO%	60.2	54.2 - 66.2	65.8	61.9 - 69.7	73.8	70.8 - 76.8
	NEUT# (10 <sup>9</sup> /L)	1.27	1.02 - 1.52	3.26	2.77 - 3.75	9.02	7.85 - 10.19
	LYMPH# (10 <sup>9</sup> /L)	1.11	0.81 - 1.41	2.27	1.82 - 2.72	4.88	4.10 - 5.66
	MONO# (10 <sup>9</sup> /L)	0.37	0.13 - 0.61	0.77	0.42 - 1.12	2.01	1.21 - 2.81
	EO# (10 <sup>9</sup> /L)	0.27	0.16 - 0.38	0.71	0.45 - 0.97	2.01	1.29 - 2.73
	BASO# (10 <sup>9</sup> /L)	1.82	1.49 - 2.15	4.61	4.06 - 5.16	13.23	11.91 - 14.55
	PLT-O (10 <sup>9</sup> /L)	55	36 - 74	220	178 - 262	579	486 - 672
	RET# (10 <sup>12</sup> /L)	0.1026	0.0728 - 0.1324	0.0744	0.0491 - 0.0997	0.0398	0.0239 - 0.0557
	RET%	4.39	3.25 - 5.53	1.70	1.21 - 2.19	0.75	0.44 - 1.06
	IRF (%)	58.1	15.1 - 101.1	52.1	9.9 - 94.3	32.5	3.9 - 61.1
	IG #	0.33	0.25 - 0.41	0.87	0.70 - 1.04	2.56	1.48 - 3.64
	IG %	11.2	9.0 - 13.4	12.5	10.3 - 14.8	13.6	7.9 - 19.3
	RET-He (pg)	24.4	22.0 - 26.8	24.4	22.0 - 26.8	24.0	20.6 - 27.4

\*Not all parameters are available on all analyzer models



**e-CHECK™ (XE)**

HEMATOLOGY CONTROL FOR SYSMEX XT-4000i™, XT-2000i™ and XT-1800i™ Analyzers

**CLOSED MODE ASSAY**

Expiration Date: <b>2019-07-08</b>		Quality Control Data Due Date #1: 27-May-19			Quality Control Data Due Date #2: 8-Jul-19		
Lot Number:		91090810		91090811		91090812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>CLOSED</b>	RBC (10 <sup>12</sup> /L)	2.34	2.25 - 2.43	4.37	4.20 - 4.54	5.29	5.08 - 5.50
	HGB (g/dL)	5.6	5.4 - 5.8	12.0	11.7 - 12.4	16.4	15.9 - 16.9
	HCT (%)	17.5	16.5 - 18.6	35.2	33.4 - 37.0	47.5	45.1 - 49.9
	MCV (fL)	74.8	70.3 - 79.3	80.5	76.5 - 84.5	89.8	85.3 - 94.3
	MCH (pg)	24.0	22.3 - 25.7	27.5	25.9 - 29.2	31.1	29.5 - 32.7
	MCHC (g/dL)	32.1	29.2 - 35.0	34.2	31.8 - 36.6	34.6	32.2 - 37.0
	PLT (10 <sup>9</sup> /L)	57	42 - 72	212	189 - 235	484	445 - 523
	RDW-SD (fL)	44.2	39.8 - 48.6	45.5	41.0 - 50.1	42.8	37.7 - 47.9
	RDW-CV (%)	16.6	14.9 - 18.3	16.1	14.8 - 17.4	13.9	12.8 - 15.0
	MPV (fL)	8.8	7.7 - 9.9	9.2	8.6 - 9.8	9.4	8.9 - 9.9
	WBC (10 <sup>9</sup> /L)	3.02	2.60 - 3.44	6.80	6.12 - 7.48	17.39	15.82 - 18.96
	WBC-D (10 <sup>9</sup> /L)	2.94	2.56 - 3.32	6.47	5.76 - 7.18	17.24	15.52 - 18.96
	NEUT%	42.3	36.4 - 48.2	46.5	41.9 - 51.2	49.4	45.0 - 53.8
	LYMPH%	36.8	28.3 - 45.3	32.6	27.1 - 38.1	28.1	24.4 - 31.8
	MONO%	12.3	4.4 - 20.2	10.6	5.9 - 15.3	10.9	6.6 - 15.2
	EO%	8.6	5.4 - 11.8	10.3	6.6 - 14.0	11.6	7.5 - 15.7
	BASO%	60.3	54.3 - 66.3	65.1	61.2 - 69.0	74.6	71.6 - 77.6
	NEUT# (10 <sup>9</sup> /L)	1.28	1.02 - 1.54	3.16	2.69 - 3.63	8.61	7.49 - 9.73
	LYMPH# (10 <sup>9</sup> /L)	1.11	0.81 - 1.41	2.22	1.78 - 2.66	4.88	4.10 - 5.66
	MONO# (10 <sup>9</sup> /L)	0.37	0.13 - 0.61	0.72	0.40 - 1.04	1.89	1.13 - 2.65
	EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.36	0.70	0.44 - 0.96	2.01	1.29 - 2.73
	BASO# (10 <sup>9</sup> /L)	1.82	1.49 - 2.15	4.43	3.90 - 4.96	12.97	11.67 - 14.27
	PLT-O (10 <sup>9</sup> /L)	55	36 - 74	220	178 - 262	562	472 - 651
	RET# (10 <sup>12</sup> /L)	0.0975	0.0692 - 0.1258	0.0744	0.0491 - 0.0997	0.0398	0.0239 - 0.0557
	RET%	4.17	3.09 - 5.25	1.70	1.21 - 2.19	0.75	0.44 - 1.06
	IRF (%)	58.1	15.1 - 101.1	52.1	9.9 - 94.3	32.5	3.9 - 61.1
	IG #	0.33	0.25 - 0.41	0.87	0.70 - 1.04	2.53	1.47 - 3.60
	IG %	11.2	9.0 - 13.4	12.5	10.3 - 14.8	13.6	7.9 - 19.3
	RET-He (pg)	24.4	22.0 - 26.8	24.4	22.0 - 26.8	24.0	20.6 - 27.4

\*Not all parameters are available on all analyzer models