



# EIGHTCHECK-3WP X-TRA™

## HEMATOLOGY CONTROL

Expiration Date: 2011-12-28	Insight Data Due Date #1: 24-Oct-11	Insight Data Due Date #2: 26-Nov-11	Insight Data Due Date #3: 28-Dec-11			
Lot Number:	12630710	12630711	12630712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
<b>SYSMEX KX-SERIES</b>						
WBC x10 <sup>3</sup> /μL	2.9	2.5 - 3.4	6.9	6.2 - 7.7	17.8	16.0 - 19.5
RBC x10 <sup>6</sup> /μL	2.34	2.13 - 2.55	4.20	3.95 - 4.45	5.27	5.01 - 5.53
HGB g/dL	6.3	5.9 - 6.7	12.4	11.7 - 13.1	17.1	16.2 - 18.0
HCT %	17.1	15.6 - 18.6	33.1	30.8 - 35.4	45.5	41.9 - 49.1
MCV fL	73.1	61.5 - 86.9	78.8	69.1 - 89.7	86.3	75.6 - 98.2
MCH pg	26.9	23.3 - 31.3	29.5	26.2 - 33.3	32.4	29.4 - 35.9
MCHC g/dL	36.8	31.9 - 42.7	37.5	32.9 - 42.7	37.6	33.1 - 42.9
PLT x10 <sup>3</sup> /μL	53	36 - 70	197	162 - 232	491	427 - 555
Lymph (W-SCR) %	25.4	21.6 - 29.2	31.2	28.1 - 34.3	34.9	31.4 - 38.4
Mixed (W-MCR) %	11.0	6.1 - 16.0	11.1	8.3 - 13.9	15.8	13.1 - 18.5
Neut (W-LCR) %	63.6	58.5 - 68.7	57.7	54.2 - 61.2	49.3	45.4 - 53.2
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.7	0.5 - 1.0	2.2	1.6 - 2.7	6.2	5.5 - 6.9
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.3	0.2 - 0.5	0.8	0.6 - 1.0	2.8	2.3 - 3.4
Neut (W-LCC) x10 <sup>3</sup> /μL	1.9	1.5 - 2.2	4.0	3.4 - 4.6	8.8	7.7 - 9.8
RDW-CV %	12.1	10.2 - 14.0	10.3	8.5 - 12.1	10.2	8.4 - 12.0
RDW-SD fL	36.0	29.9 - 42.1	34.4	28.9 - 39.9	37.2	31.6 - 42.8
MPV fL	9.3	7.8 - 10.8	9.4	8.4 - 10.4	9.4	8.6 - 10.2
W-SMV fL	63.6	54.1 - 73.1	63.7	56.7 - 70.7	63.2	56.9 - 69.5
W-LMV fL	193.5	178.0 - 209.0	194.5	178.9 - 210.1	195.4	180.7 - 210.1
<b>SYSMEX poch-100i</b>						
<b>Please note: Remove vial cap before running QC Product</b>						
WBC x10 <sup>3</sup> /μL	2.8	2.4 - 3.2	7.0	6.3 - 7.7	17.7	15.9 - 19.5
RBC x10 <sup>6</sup> /μL	2.36	2.15 - 2.57	4.26	4.00 - 4.52	5.28	5.02 - 5.54
HGB g/dL	6.0	5.7 - 6.3	12.1	11.4 - 12.8	16.8	16.1 - 17.5
HCT %	18.4	16.8 - 20.0	35.9	33.2 - 38.6	48.4	44.5 - 52.3
MCV fL	78.0	65.3 - 90.7	84.3	73.7 - 94.9	91.7	80.4 - 103.0
MCH pg	25.4	22.0 - 28.8	28.4	25.3 - 31.5	31.8	29.1 - 34.5
MCHC g/dL	32.6	28.5 - 36.7	33.7	29.9 - 37.5	34.7	30.8 - 38.6
PLT x10 <sup>3</sup> /μL	50	33 - 67	193	157 - 229	464	404 - 524
Lymph (W-SCR) %	24.8	21.1 - 28.5	31.0	27.9 - 34.1	35.8	32.3 - 39.3
Mixed (W-MCR) %	10.5	5.9 - 15.1	10.9	8.1 - 13.7	15.7	13.0 - 18.4
Neut (W-LCR) %	64.7	59.5 - 69.9	58.1	54.6 - 61.6	48.5	44.6 - 52.4
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.7	0.5 - 0.9	2.2	1.7 - 2.7	6.3	5.6 - 7.0
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.3	0.1 - 0.5	0.8	0.6 - 1.0	2.8	2.3 - 3.3
Neut (W-LCC) x10 <sup>3</sup> /μL	1.8	1.4 - 2.2	4.0	3.1 - 4.9	8.6	7.5 - 9.7
RDW-CV %	16.0	13.6 - 18.4	14.4	12.1 - 16.7	14.4	11.9 - 16.9
RDW-SD fL	44.1	37.0 - 51.2	43.3	36.5 - 50.1	46.8	40.0 - 53.6
MPV fL	10.3	8.7 - 11.9	10.1	9.0 - 11.2	9.9	9.0 - 10.8
W-SMV fL	65.3	48.7 - 81.9	65.1	50.6 - 79.6	64.0	50.9 - 77.1
W-LMV fL	198.8	178.3 - 219.3	199.4	179.1 - 219.7	199.2	178.9 - 219.5

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Lot Number:	12630710	12630711	12630712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
<b>SYSMEX K-4500, OPEN MODE</b>						
WBC x10 <sup>3</sup> /μL	3.1	2.7 - 3.5	7.5	6.7 - 8.3	18.9	17.0 - 20.8
RBC x10 <sup>6</sup> /μL	2.29	2.15 - 2.43	4.22	4.03 - 4.41	5.20	4.94 - 5.46
HGB g/dL	6.1	5.8 - 6.4	12.3	11.9 - 12.7	16.8	16.1 - 17.5
HCT %	16.5	15.2 - 17.8	32.8	30.5 - 35.1	44.4	41.3 - 47.5
MCV fL	72.1	62.5 - 82.8	77.7	69.2 - 87.1	85.4	75.6 - 96.2
MCH pg	26.6	23.9 - 29.7	29.1	26.9 - 31.6	32.3	29.5 - 35.4
MCHC g/dL	37.0	32.6 - 42.1	37.5	33.8 - 41.7	37.8	33.9 - 42.3
PLT x10 <sup>3</sup> /μL	51	35 - 67	202	174 - 230	459	409 - 509
Lymph (W-SCR) %	24.7	22.0 - 27.4	30.8	27.7 - 33.9	33.7	30.3 - 37.1
Mixed (W-MCR) %	11.4	6.3 - 16.5	11.1	8.3 - 13.9	16.8	13.9 - 19.7
Neut (W-LCR) %	63.9	60.1 - 67.7	58.1	54.6 - 61.6	49.5	46.5 - 52.5
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.8	0.5 - 1.0	2.3	1.7 - 2.9	6.4	4.8 - 8.0
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.0 - 0.7	0.8	0.6 - 1.1	3.2	2.6 - 3.8
Neut (W-LCC) x10 <sup>3</sup> /μL	2.0	1.7 - 2.3	4.4	3.9 - 4.8	9.4	8.6 - 10.1
RDW-CV %	12.3	10.3 - 14.3	10.8	9.0 - 12.6	10.7	8.8 - 12.6
RDW-SD fL	26.5	22.0 - 31.0	25.6	21.5 - 29.7	30.0	25.5 - 34.5
MPV fL	9.2	8.1 - 10.3	9.3	8.6 - 10.0	9.4	8.6 - 10.2
W-SMV fL	58.9	53.6 - 64.2	59.8	54.4 - 65.2	57.7	52.5 - 62.9
W-LMV fL	194.4	178.8 - 210.0	195.8	180.1 - 211.5	197.8	183.0 - 212.6
<b>SYSMEX K-4500, CLOSED MODE</b>						
WBC x10 <sup>3</sup> /μL	3.1	2.6 - 3.6	7.4	6.4 - 8.3	18.5	16.1 - 20.9
RBC x10 <sup>6</sup> /μL	2.31	2.17 - 2.45	4.18	3.97 - 4.39	5.15	4.87 - 5.43
HGB g/dL	6.1	5.7 - 6.5	12.2	11.7 - 12.7	16.6	15.9 - 17.3
HCT %	16.7	15.3 - 18.1	32.5	30.1 - 34.9	44.0	40.7 - 47.3
MCV fL	72.2	62.5 - 83.3	77.8	68.5 - 88.0	85.5	74.9 - 97.2
MCH pg	26.4	23.4 - 29.8	29.1	26.7 - 32.0	32.3	29.2 - 35.6
MCHC g/dL	36.5	31.7 - 42.2	37.5	33.5 - 42.2	37.8	33.5 - 42.6
PLT x10 <sup>3</sup> /μL	50	33 - 68	188	160 - 216	422	367 - 477
Lymph (W-SCR) %	24.7	21.0 - 28.4	30.8	26.8 - 34.8	33.7	29.3 - 38.1
Mixed (W-MCR) %	11.4	5.7 - 17.1	11.1	7.4 - 14.8	16.8	13.3 - 20.3
Neut (W-LCR) %	63.9	57.5 - 70.3	58.1	52.3 - 63.9	49.5	44.6 - 54.5
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.8	0.5 - 1.0	2.3	1.6 - 2.9	6.2	4.4 - 8.0
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.0 - 0.7	0.8	0.4 - 1.3	3.1	2.4 - 3.8
Neut (W-LCC) x10 <sup>3</sup> /μL	2.0	1.6 - 2.4	4.3	3.7 - 4.9	9.2	8.1 - 10.3
RDW-CV %	12.3	10.3 - 14.3	10.8	9.0 - 12.6	10.7	8.8 - 12.6
RDW-SD fL	26.5	22.0 - 31.0	25.6	21.5 - 29.7	30.0	25.5 - 34.5
MPV fL	9.2	8.1 - 10.3	9.3	8.6 - 10.0	9.4	8.6 - 10.2
W-SMV fL	58.9	53.6 - 64.2	59.8	54.4 - 65.2	57.7	52.5 - 62.9
W-LMV fL	194.4	178.8 - 210.0	195.8	180.1 - 211.5	197.8	183.0 - 212.6

OPEN

CLOSED

Refer to package insert for Sysmex recommendations on setting QC targets and limits.