



# EIGHTCHECK-3WP X-TRA™

## HEMATOLOGY CONTROL

<b>Expiration Date:</b> 2010-05-19	<b>Quality Control Data Due on the 20<sup>th</sup> of each month</b>					
<b>Lot Number:</b>	<b>00400710</b>		<b>00400711</b>		<b>00400712</b>	
<b>Control:</b>	<b>Low Abnormal</b>		<b>Normal</b>		<b>High Abnormal</b>	
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
<b>SYSMEX KX-SERIES</b>						
WBC x10 <sup>3</sup> /μL	3.1	2.6 - 3.5	6.6	5.9 - 7.3	16.7	15.0 - 18.3
RBC x10 <sup>6</sup> /μL	2.29	2.09 - 2.49	4.26	4.00 - 4.52	5.14	4.88 - 5.40
HGB g/dL	6.7	6.3 - 7.1	13.3	12.5 - 14.1	16.7	15.9 - 17.5
HCT %	17.7	16.2 - 19.2	35.1	32.6 - 37.6	43.8	40.3 - 47.3
MCV fL	77.3	65.0 - 92.0	82.4	72.3 - 93.8	85.2	74.7 - 96.9
MCH pg	29.3	25.3 - 34.0	31.2	27.7 - 35.2	32.5	29.4 - 35.9
MCHC g/dL	37.9	32.8 - 43.9	37.9	33.3 - 43.2	38.1	33.5 - 43.5
PLT x10 <sup>3</sup> /μL	50	34 - 67	199	163 - 235	473	412 - 534
Lymph (W-SCR) %	23.6	20.1 - 27.1	31.3	28.2 - 34.4	35.9	32.3 - 39.5
Mixed (W-MCR) %	12.9	7.1 - 18.7	11.3	8.5 - 14.1	15.2	12.6 - 17.8
Neut (W-LCR) %	63.5	58.4 - 68.6	57.4	54.0 - 60.8	48.9	45.0 - 52.8
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.7	0.5 - 0.9	2.1	1.5 - 2.6	6.0	5.3 - 6.7
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.2 - 0.6	0.7	0.6 - 0.9	2.5	2.0 - 3.0
Neut (W-LCC) x10 <sup>3</sup> /μL	2.0	1.6 - 2.3	3.8	3.2 - 4.4	8.2	7.2 - 9.1
RDW-CV %	9.4	7.9 - 10.9	9.3	7.7 - 10.9	9.3	7.6 - 11.0
RDW-SD fL	32.0	26.6 - 37.4	33.5	28.1 - 38.9	34.8	29.6 - 40.0
MPV fL	9.3	7.8 - 10.8	9.4	8.4 - 10.4	9.4	8.6 - 10.2
W-SMV fL	63.0	53.6 - 72.5	62.9	56.0 - 69.8	63.2	56.9 - 69.5
W-LMV fL	210.8	193.9 - 227.7	200.6	184.6 - 216.6	200.2	185.2 - 215.2
<b>SYSMEX poch-100i</b>						
<b>Please note: Remove vial cap before running QC Product</b>						
WBC x10 <sup>3</sup> /μL	2.7	2.3 - 3.1	6.5	5.8 - 7.2	16.9	15.2 - 18.6
RBC x10 <sup>6</sup> /μL	2.37	2.16 - 2.58	4.46	4.19 - 4.73	5.41	5.14 - 5.68
HGB g/dL	6.3	6.0 - 6.6	13.0	12.4 - 13.7	16.5	15.8 - 17.2
HCT %	19.5	17.8 - 21.2	38.9	36.2 - 41.6	48.7	44.8 - 52.6
MCV fL	82.3	69.2 - 97.9	87.2	76.5 - 99.3	90.0	78.9 - 102.3
MCH pg	26.6	23.2 - 30.6	29.1	26.1 - 32.6	30.5	27.9 - 33.4
MCHC g/dL	32.3	28.3 - 37.1	33.4	29.7 - 37.7	33.9	30.1 - 38.3
PLT x10 <sup>3</sup> /μL	50	34 - 67	193	158 - 228	461	401 - 521
Lymph (W-SCR) %	23.9	20.3 - 27.5	31.5	28.4 - 34.7	36.0	32.4 - 39.6
Mixed (W-MCR) %	13.5	7.4 - 19.6	10.9	8.2 - 13.6	16.0	13.3 - 18.7
Neut (W-LCR) %	62.6	57.6 - 67.6	57.6	54.1 - 61.1	48.0	44.2 - 51.8
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.6	0.4 - 0.8	2.0	1.5 - 2.5	6.1	5.4 - 6.8
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.2 - 0.6	0.7	0.5 - 0.9	2.7	2.2 - 3.2
Neut (W-LCC) x10 <sup>3</sup> /μL	1.7	1.4 - 2.0	3.8	3.2 - 4.4	8.1	7.1 - 9.1
RDW-CV %	13.8	11.6 - 16.0	13.9	11.5 - 16.3	13.9	11.4 - 16.4
RDW-SD fL	40.1	33.3 - 46.9	42.6	35.8 - 49.4	44.3	37.7 - 50.9
MPV fL	10.4	8.7 - 12.1	10.2	9.1 - 11.3	10.0	9.1 - 10.9
W-SMV fL	67.3	50.5 - 84.1	66.1	51.6 - 80.6	66.0	52.8 - 79.2
W-LMV fL	222.9	200.6 - 245.2	209.4	188.5 - 230.3	209.7	188.7 - 230.7

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



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Expiration Date: 2010-05-19	Quality Control Data Due on the 20 <sup>th</sup> of each month					
Lot Number:	00400710		00400711		00400712	
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	3.4	3.0 - 3.8	7.1	6.4 - 7.8	17.9	16.1 - 19.7
RBC x10 <sup>6</sup> /μL	2.32	2.18 - 2.46	4.39	4.19 - 4.59	5.26	5.00 - 5.52
HGB g/dL	6.5	6.2 - 6.8	13.2	12.7 - 13.7	16.5	15.8 - 17.2
HCT %	17.8	16.4 - 19.2	35.8	33.3 - 38.3	44.5	41.4 - 47.6
MCV fL	76.7	66.6 - 88.2	81.5	72.6 - 91.4	84.6	74.9 - 95.3
MCH pg	28.0	25.2 - 31.2	30.1	27.8 - 32.6	31.4	28.7 - 34.3
MCHC g/dL	36.5	32.2 - 41.6	36.9	33.3 - 41.0	37.1	33.3 - 41.5
PLT x10 <sup>3</sup> /μL	52	35 - 69	202	174 - 230	451	401 - 501
Lymph (W-SCR) %	22.6	20.1 - 25.1	31.2	28.1 - 34.3	34.9	31.4 - 38.4
Mixed (W-MCR) %	13.0	7.2 - 18.9	11.7	8.8 - 14.6	16.2	13.4 - 19.0
Neut (W-LCR) %	64.4	60.5 - 68.3	57.1	53.7 - 60.5	48.9	46.0 - 51.8
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.8	0.5 - 1.0	2.2	1.7 - 2.8	6.3	4.7 - 7.8
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.0 - 0.9	0.8	0.6 - 1.1	2.9	2.3 - 3.5
Neut (W-LCC) x10 <sup>3</sup> /μL	2.2	1.8 - 2.5	4.1	3.6 - 4.5	8.8	8.1 - 9.5
RDW-CV %	10.2	8.6 - 11.8	10.2	8.5 - 11.9	10.3	8.4 - 12.2
RDW-SD fL	23.2	19.3 - 27.1	25.9	21.8 - 30.0	27.9	23.7 - 32.1
MPV fL	9.1	8.1 - 10.1	9.3	8.6 - 10.0	9.3	8.5 - 10.1
W-SMV fL	52.9	48.1 - 57.7	57.4	52.2 - 62.6	58.4	53.1 - 63.7
W-LMV fL	204.3	188.0 - 220.6	192.7	177.3 - 208.1	195.1	180.5 - 209.7
<b>SYSMEX K-4500, CLOSED MODE</b>						
WBC x10 <sup>3</sup> /μL	3.4	2.9 - 3.9	7.0	6.1 - 7.9	17.5	15.3 - 19.8
RBC x10 <sup>6</sup> /μL	2.34	2.20 - 2.48	4.35	4.13 - 4.57	5.21	4.92 - 5.50
HGB g/dL	6.5	6.1 - 6.9	13.1	12.6 - 13.6	16.3	15.6 - 17.0
HCT %	18.0	16.5 - 19.5	35.4	32.7 - 38.1	44.1	40.8 - 47.4
MCV fL	76.8	66.5 - 88.6	81.5	71.7 - 92.1	84.7	74.2 - 96.3
MCH pg	27.7	24.6 - 31.3	30.1	27.5 - 33.0	31.4	28.3 - 34.6
MCHC g/dL	36.1	31.3 - 41.7	36.9	33.0 - 41.6	37.0	32.8 - 41.8
PLT x10 <sup>3</sup> /μL	51	33 - 69	188	160 - 216	415	361 - 469
Lymph (W-SCR) %	22.6	19.2 - 26.0	31.2	27.1 - 35.3	34.9	30.4 - 39.4
Mixed (W-MCR) %	13.0	6.5 - 19.5	11.7	7.8 - 15.6	16.2	12.8 - 19.6
Neut (W-LCR) %	64.4	58.0 - 70.8	57.1	51.4 - 62.8	48.9	44.0 - 53.8
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.8	0.5 - 1.0	2.2	1.5 - 2.8	6.1	4.3 - 7.9
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.0 - 0.9	0.8	0.4 - 1.3	2.8	2.2 - 3.5
Neut (W-LCC) x10 <sup>3</sup> /μL	2.2	1.8 - 2.6	4.0	3.4 - 4.5	8.6	7.6 - 9.6
RDW-CV %	10.2	8.6 - 11.8	10.2	8.5 - 11.9	10.3	8.4 - 12.2
RDW-SD fL	23.2	19.3 - 27.1	25.9	21.8 - 30.0	27.9	23.7 - 32.1
MPV fL	9.1	8.1 - 10.1	9.3	8.6 - 10.0	9.3	8.5 - 10.1
W-SMV fL	52.9	48.1 - 57.7	57.4	52.2 - 62.6	58.4	53.1 - 63.7
W-LMV fL	204.3	188.0 - 220.6	192.7	177.3 - 208.1	195.1	180.5 - 209.7

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