



# EIGHTCHECK-3WP X-TRA™

## HEMATOLOGY CONTROL

Expiration Date: 2012-03-21	Insight Data Due Date #1: 15-Jan-12	Insight Data Due Date #2: 17-Feb-12	Insight Data Due Date #3: 21-Mar-12			
Lot Number:	13470710	13470711	13470712			
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	3.4	2.9 - 3.9	6.7	6.0 - 7.4	17.7	15.9 - 19.5
RBC x10 <sup>6</sup> /μL	2.33	2.12 - 2.54	4.32	4.06 - 4.58	5.17	4.91 - 5.43
HGB g/dL	6.5	6.1 - 6.9	13.4	12.6 - 14.2	16.6	15.8 - 17.4
HCT %	17.4	15.9 - 18.9	35.9	33.4 - 38.4	44.3	40.8 - 47.8
MCV fL	74.7	62.8 - 88.8	83.1	72.9 - 94.6	85.7	75.1 - 97.4
MCH pg	27.9	24.1 - 32.4	31.0	27.5 - 35.0	32.1	29.1 - 35.5
MCHC g/dL	37.4	32.4 - 43.3	37.3	32.8 - 42.5	37.5	33.0 - 42.8
PLT x10 <sup>3</sup> /μL	53	36 - 70	201	165 - 237	471	410 - 532
Lymph (W-SCR) %	23.5	20.0 - 27.0	31.0	27.9 - 34.1	37.5	33.8 - 41.3
Mixed (W-MCR) %	13.0	7.2 - 18.9	10.6	8.0 - 13.3	15.2	12.6 - 17.8
Neut (W-LCR) %	63.5	58.4 - 68.6	58.4	54.9 - 61.9	47.3	43.5 - 51.1
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.8	0.6 - 1.0	2.1	1.6 - 2.6	6.6	5.8 - 7.4
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.2 - 0.7	0.7	0.5 - 0.9	2.7	2.2 - 3.2
Neut (W-LCC) x10 <sup>3</sup> /μL	2.1	1.7 - 2.6	3.9	3.3 - 4.5	8.4	7.4 - 9.4
RDW-CV %	9.9	8.3 - 11.5	9.3	7.7 - 10.9	10.2	8.4 - 12.0
RDW-SD fL	32.3	26.8 - 37.8	34.6	29.1 - 40.1	37.4	31.8 - 43.0
MPV fL	9.5	8.0 - 11.0	9.0	8.0 - 10.0	9.0	8.2 - 9.8
W-SMV fL	62.7	53.3 - 72.1	62.3	55.4 - 69.2	62.2	56.0 - 68.4
W-LMV fL	190.4	175.2 - 205.6	191.0	175.7 - 206.3	192.1	177.7 - 206.5
<b>SYSMEX poch-100i</b>						
<b>Please note: Remove vial cap before running QC Product</b>						
WBC x10 <sup>3</sup> /μL	3.3	2.9 - 3.7	6.6	5.9 - 7.3	17.6	15.8 - 19.4
RBC x10 <sup>6</sup> /μL	2.36	2.15 - 2.57	4.39	4.13 - 4.65	5.19	4.93 - 5.45
HGB g/dL	6.3	6.0 - 6.6	13.5	12.8 - 14.2	16.7	16.0 - 17.4
HCT %	18.8	17.2 - 20.4	38.6	35.9 - 41.3	47.1	43.2 - 51.0
MCV fL	79.7	67.0 - 92.4	87.9	77.3 - 98.5	90.8	79.5 - 102.1
MCH pg	26.7	23.3 - 30.1	30.8	27.7 - 33.9	32.2	29.5 - 34.9
MCHC g/dL	33.5	29.4 - 37.6	35.0	31.2 - 38.8	35.5	31.6 - 39.4
PLT x10 <sup>3</sup> /μL	51	34 - 68	194	158 - 230	448	388 - 508
Lymph (W-SCR) %	23.7	20.0 - 27.4	31.1	28.0 - 34.2	39.6	36.1 - 43.1
Mixed (W-MCR) %	12.2	7.6 - 16.8	10.2	7.4 - 13.0	14.0	11.3 - 16.7
Neut (W-LCR) %	64.1	58.9 - 69.3	58.7	55.2 - 62.2	46.4	42.5 - 50.3
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.8	0.6 - 1.0	2.1	1.6 - 2.6	7.0	6.3 - 7.7
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.2 - 0.6	0.7	0.5 - 0.9	2.5	2.0 - 3.0
Neut (W-LCC) x10 <sup>3</sup> /μL	2.1	1.7 - 2.5	3.8	2.9 - 4.7	8.1	7.0 - 9.2
RDW-CV %	14.1	11.7 - 16.5	13.8	11.5 - 16.1	14.5	12.0 - 17.0
RDW-SD fL	40.0	32.9 - 47.1	43.3	36.5 - 50.1	46.8	40.0 - 53.6
MPV fL	10.7	9.1 - 12.3	9.7	8.6 - 10.8	9.5	8.6 - 10.4
W-SMV fL	67.6	51.0 - 84.2	65.8	51.3 - 80.3	65.6	52.5 - 78.7
W-LMV fL	201.4	180.9 - 221.9	199.2	178.9 - 219.5	199.5	179.2 - 219.8

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Lot Number:	<b>13470710</b>	<b>13470711</b>	<b>13470712</b>			
Control:	<b>Low Abnormal</b>	<b>Normal</b>	<b>High Abnormal</b>			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
<b>SYSMEX K-4500, OPEN MODE</b>						
WBC x10 <sup>3</sup> /μL	3.6	3.2 - 4.1	7.2	6.4 - 8.0	18.8	16.9 - 20.7
RBC x10 <sup>6</sup> /μL	2.31	2.17 - 2.45	4.35	4.15 - 4.55	5.14	4.88 - 5.40
HGB g/dL	6.3	6.0 - 6.6	13.4	12.9 - 13.9	16.5	15.8 - 17.2
HCT %	17.0	15.6 - 18.4	35.6	33.1 - 38.1	43.4	40.4 - 46.4
MCV fL	73.6	63.9 - 84.6	81.8	72.8 - 91.7	84.4	74.8 - 95.1
MCH pg	27.3	24.5 - 30.4	30.8	28.4 - 33.4	32.1	29.3 - 35.1
MCHC g/dL	37.1	32.7 - 42.2	37.6	33.9 - 41.9	38.0	34.1 - 42.5
PLT x10 <sup>3</sup> /μL	53	36 - 70	195	168 - 222	440	392 - 488
Lymph (W-SCR) %	24.9	22.2 - 27.6	31.3	28.2 - 34.4	37.8	34.0 - 41.6
Mixed (W-MCR) %	11.5	6.3 - 16.7	10.8	8.1 - 13.5	14.6	12.1 - 17.1
Neut (W-LCR) %	63.6	59.8 - 67.4	57.9	54.4 - 61.4	47.6	44.7 - 50.5
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.9	0.6 - 1.2	2.3	1.7 - 2.8	7.1	5.3 - 8.9
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.0 - 0.8	0.8	0.5 - 1.0	2.7	2.2 - 3.3
Neut (W-LCC) x10 <sup>3</sup> /μL	2.3	1.9 - 2.7	4.2	3.8 - 4.6	9.0	8.2 - 9.7
RDW-CV %	10.5	8.8 - 12.2	10.0	8.3 - 11.7	10.8	8.9 - 12.7
RDW-SD fL	22.9	19.0 - 26.8	25.6	21.5 - 29.7	29.6	25.2 - 34.0
MPV fL	9.5	8.4 - 10.6	9.0	8.3 - 9.7	9.0	8.2 - 9.8
W-SMV fL	66.3	60.3 - 72.3	56.0	51.0 - 61.0	56.8	51.7 - 61.9
W-LMV fL	193.8	178.3 - 209.3	194.1	178.6 - 209.6	195.9	181.2 - 210.6
<b>SYSMEX K-4500, CLOSED MODE</b>						
WBC x10 <sup>3</sup> /μL	3.6	3.1 - 4.1	7.1	6.1 - 8.0	18.4	16.0 - 20.8
RBC x10 <sup>6</sup> /μL	2.33	2.19 - 2.47	4.31	4.09 - 4.53	5.09	4.81 - 5.37
HGB g/dL	6.3	5.9 - 6.7	13.3	12.8 - 13.8	16.3	15.6 - 17.0
HCT %	17.2	15.8 - 18.6	35.2	32.6 - 37.8	42.9	39.7 - 46.1
MCV fL	73.7	63.9 - 85.0	81.7	71.9 - 92.4	84.3	73.9 - 95.9
MCH pg	27.0	24.0 - 30.5	30.8	28.2 - 33.8	32.1	29.0 - 35.4
MCHC g/dL	36.6	31.8 - 42.3	37.7	33.7 - 42.5	38.1	33.8 - 42.9
PLT x10 <sup>3</sup> /μL	52	34 - 70	181	154 - 208	405	352 - 458
Lymph (W-SCR) %	24.9	21.2 - 28.6	31.3	27.2 - 35.4	37.8	32.9 - 42.7
Mixed (W-MCR) %	11.5	5.8 - 17.3	10.8	7.2 - 14.4	14.6	11.5 - 17.7
Neut (W-LCR) %	63.6	57.2 - 70.0	57.9	52.1 - 63.7	47.6	42.8 - 52.4
Lymph (W-SCC) x10 <sup>3</sup> /μL	0.9	0.6 - 1.2	2.2	1.6 - 2.9	7.0	4.9 - 9.0
Mixed (W-MCC) x10 <sup>3</sup> /μL	0.4	0.0 - 0.8	0.8	0.3 - 1.2	2.7	2.1 - 3.3
Neut (W-LCC) x10 <sup>3</sup> /μL	2.3	1.8 - 2.7	4.1	3.5 - 4.7	8.8	7.7 - 9.8
RDW-CV %	10.5	8.8 - 12.2	10.0	8.3 - 11.7	10.8	8.9 - 12.7
RDW-SD fL	22.9	19.0 - 26.8	25.6	21.5 - 29.7	29.6	25.2 - 34.0
MPV fL	9.5	8.4 - 10.6	9.0	8.3 - 9.7	9.0	8.2 - 9.8
W-SMV fL	66.3	60.3 - 72.3	56.0	51.0 - 61.0	56.8	51.7 - 61.9
W-LMV fL	193.8	178.3 - 209.3	194.1	178.6 - 209.6	195.9	181.2 - 210.6

OPEN

CLOSED

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