



EIGHTCHECK-3WP X-TRA™

HEMATOLOGY CONTROL

Expiration Date: 2010-08-11	Quality Control Data Due on the 20 th of each month					
Lot Number:	01240710		01240711		01240712	
Control:	Low Abnormal		Normal		High Abnormal	
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
SYSMEX KX-SERIES						
WBC x10 ³ /μL	3.2	2.7 - 3.7	7.1	6.3 - 7.8	18.0	16.2 - 19.8
RBC x10 ⁶ /μL	2.33	2.12 - 2.54	4.36	4.10 - 4.62	5.16	4.90 - 5.42
HGB g/dL	6.6	6.2 - 7.0	13.5	12.7 - 14.3	17.2	16.3 - 18.1
HCT %	17.8	16.3 - 19.3	35.8	33.3 - 38.3	45.1	41.5 - 48.7
MCV fL	76.4	64.2 - 90.9	82.1	72.0 - 93.5	87.4	76.6 - 99.4
MCH pg	28.3	24.5 - 32.9	31.0	27.5 - 34.9	33.3	30.2 - 36.8
MCHC g/dL	37.1	32.1 - 43.0	37.7	33.1 - 43.0	38.1	33.5 - 43.5
PLT x10 ³ /μL	48	32 - 64	199	163 - 235	472	411 - 533
Lymph (W-SCR) %	23.7	20.1 - 27.3	30.1	27.1 - 33.1	34.6	31.1 - 38.1
Mixed (W-MCR) %	9.8	5.4 - 14.2	10.2	7.7 - 12.8	14.2	11.8 - 16.6
Neut (W-LCR) %	66.5	61.2 - 71.8	59.7	56.1 - 63.3	51.2	47.1 - 55.3
Lymph (W-SCC) x10 ³ /μL	0.8	0.5 - 1.0	2.1	1.6 - 2.7	6.2	5.5 - 7.0
Mixed (W-MCC) x10 ³ /μL	0.3	0.2 - 0.5	0.7	0.5 - 0.9	2.6	2.1 - 3.1
Neut (W-LCC) x10 ³ /μL	2.1	1.7 - 2.5	4.2	3.6 - 4.9	9.2	8.1 - 10.3
RDW-CV %	10.4	8.7 - 12.1	9.9	8.2 - 11.6	10.4	8.5 - 12.3
RDW-SD fL	33.6	27.9 - 39.3	34.6	29.1 - 40.1	38.1	32.4 - 43.8
MPV fL	9.0	7.6 - 10.4	9.2	8.2 - 10.2	9.2	8.4 - 10.0
W-SMV fL	63.1	53.6 - 72.6	62.6	55.7 - 69.5	62.9	56.6 - 69.2
W-LMV fL	200.1	184.1 - 216.1	199.4	183.4 - 215.4	200.3	185.3 - 215.3
SYSMEX poch-100i						
Please note: Remove vial cap before running QC Product						
WBC x10 ³ /μL	2.8	2.4 - 3.2	6.8	6.1 - 7.5	17.6	15.8 - 19.4
RBC x10 ⁶ /μL	2.36	2.15 - 2.57	4.48	4.21 - 4.75	5.24	4.98 - 5.50
HGB g/dL	6.2	5.9 - 6.5	13.2	12.5 - 13.9	16.9	16.2 - 17.6
HCT %	19.0	17.4 - 20.6	38.8	36.1 - 41.5	48.3	44.4 - 52.2
MCV fL	80.5	67.7 - 95.8	86.6	76.0 - 98.6	92.2	80.8 - 104.8
MCH pg	26.3	22.9 - 30.2	29.5	26.4 - 32.9	32.3	29.5 - 35.3
MCHC g/dL	32.6	28.6 - 37.4	34.0	30.2 - 38.4	35.0	31.1 - 39.6
PLT x10 ³ /μL	47	31 - 63	192	157 - 227	450	392 - 509
Lymph (W-SCR) %	23.8	20.2 - 27.4	30.6	27.5 - 33.7	35.5	32.0 - 39.1
Mixed (W-MCR) %	9.9	5.4 - 14.4	10.8	8.1 - 13.5	15.0	12.5 - 17.6
Neut (W-LCR) %	66.3	61.0 - 71.6	58.6	55.1 - 62.1	49.5	45.5 - 53.5
Lymph (W-SCC) x10 ³ /μL	0.7	0.5 - 0.9	2.1	1.6 - 2.6	6.2	5.5 - 6.9
Mixed (W-MCC) x10 ³ /μL	0.3	0.2 - 0.5	0.7	0.5 - 0.9	2.6	2.1 - 3.1
Neut (W-LCC) x10 ³ /μL	1.8	1.4 - 2.2	4.0	3.4 - 4.6	8.8	7.7 - 9.9
RDW-CV %	14.4	12.1 - 16.7	14.2	11.8 - 16.6	14.7	12.1 - 17.3
RDW-SD fL	41.2	34.2 - 48.2	43.0	36.1 - 49.9	47.6	40.5 - 54.7
MPV fL	10.1	8.5 - 11.7	9.8	8.7 - 10.9	9.7	8.8 - 10.6
W-SMV fL	67.2	50.4 - 84.0	66.2	51.6 - 80.8	66.0	52.8 - 79.2
W-LMV fL	211.3	190.2 - 232.4	211.9	190.7 - 233.1	212.4	191.2 - 233.6

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



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Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
SYSMEX K-4500, OPEN MODE						
WBC x10 ³ /μL	3.5	3.1 - 3.9	7.7	6.9 - 8.5	19.2	17.3 - 21.1
RBC x10 ⁶ /μL	2.31	2.17 - 2.45	4.43	4.23 - 4.63	5.18	4.92 - 5.44
HGB g/dL	6.3	6.0 - 6.6	13.4	12.9 - 13.9	17.0	16.3 - 17.7
HCT %	17.4	16.0 - 18.8	36.2	33.7 - 38.7	45.1	41.9 - 48.3
MCV fL	75.3	65.4 - 86.5	81.7	72.7 - 91.6	87.1	77.1 - 98.1
MCH pg	27.3	24.5 - 30.4	30.2	27.9 - 32.8	32.8	30.0 - 35.9
MCHC g/dL	36.2	31.9 - 41.2	37.0	33.4 - 41.2	37.7	33.8 - 42.2
PLT x10 ³ /μL	49	33 - 65	200	172 - 228	450	401 - 500
Lymph (W-SCR) %	23.3	20.7 - 25.9	29.5	26.6 - 32.5	33.6	30.2 - 37.0
Mixed (W-MCR) %	10.0	5.5 - 14.5	10.5	7.9 - 13.1	14.9	12.4 - 17.4
Neut (W-LCR) %	66.7	62.7 - 70.7	60.0	56.4 - 63.6	51.5	48.4 - 54.6
Lymph (W-SCC) x10 ³ /μL	0.8	0.6 - 1.1	2.3	1.7 - 2.8	6.5	4.8 - 8.1
Mixed (W-MCC) x10 ³ /μL	0.4	0.0 - 0.7	0.8	0.6 - 1.1	2.9	2.3 - 3.4
Neut (W-LCC) x10 ³ /μL	2.3	2.0 - 2.7	4.6	4.2 - 5.1	9.9	9.1 - 10.7
RDW-CV %	10.7	9.0 - 12.4	10.3	8.5 - 12.1	10.7	8.8 - 12.6
RDW-SD fL	24.5	20.3 - 28.7	26.3	22.1 - 30.5	30.8	26.2 - 35.4
MPV fL	9.0	8.0 - 10.0	9.2	8.5 - 9.9	9.2	8.4 - 10.0
W-SMV fL	57.0	51.9 - 62.1	56.8	51.7 - 61.9	57.5	52.3 - 62.7
W-LMV fL	198.4	182.5 - 214.3	198.4	182.5 - 214.3	199.9	184.9 - 214.9
SYSMEX K-4500, CLOSED MODE						
WBC x10 ³ /μL	3.5	3.0 - 4.0	7.6	6.6 - 8.5	18.8	16.4 - 21.3
RBC x10 ⁶ /μL	2.33	2.19 - 2.47	4.39	4.17 - 4.61	5.13	4.85 - 5.41
HGB g/dL	6.3	5.9 - 6.7	13.3	12.8 - 13.8	16.8	16.0 - 17.6
HCT %	17.6	16.1 - 19.1	35.8	33.1 - 38.5	44.7	41.3 - 48.1
MCV fL	75.4	65.3 - 87.0	81.6	71.8 - 92.3	87.2	76.4 - 99.1
MCH pg	27.0	24.0 - 30.5	30.2	27.7 - 33.2	32.8	29.6 - 36.2
MCHC g/dL	35.8	31.1 - 41.4	37.1	33.2 - 41.8	37.7	33.4 - 42.5
PLT x10 ³ /μL	49	32 - 66	186	158 - 214	414	360 - 468
Lymph (W-SCR) %	23.3	19.8 - 26.8	29.5	25.7 - 33.3	33.6	29.2 - 38.0
Mixed (W-MCR) %	10.0	5.0 - 15.0	10.5	7.0 - 14.0	14.9	11.8 - 18.0
Neut (W-LCR) %	66.7	60.0 - 73.4	60.0	54.0 - 66.0	51.5	46.4 - 56.7
Lymph (W-SCC) x10 ³ /μL	0.8	0.6 - 1.1	2.2	1.6 - 2.9	6.3	4.5 - 8.2
Mixed (W-MCC) x10 ³ /μL	0.4	0.0 - 0.7	0.8	0.4 - 1.2	2.8	2.2 - 3.4
Neut (W-LCC) x10 ³ /μL	2.3	1.9 - 2.8	4.5	3.9 - 5.2	9.7	8.5 - 10.9
RDW-CV %	10.7	9.0 - 12.4	10.3	8.5 - 12.1	10.7	8.8 - 12.6
RDW-SD fL	24.5	20.3 - 28.7	26.3	22.1 - 30.5	30.8	26.2 - 35.4
MPV fL	9.0	8.0 - 10.0	9.2	8.5 - 9.9	9.2	8.4 - 10.0
W-SMV fL	57.0	51.9 - 62.1	56.8	51.7 - 61.9	57.5	52.3 - 62.7
W-LMV fL	198.4	182.5 - 214.3	198.4	182.5 - 214.3	199.9	184.9 - 214.9

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