



# EIGHTCHECK-3WP X-TRA™

## HEMATOLOGY CONTROL

<b>Expiration Date:</b> 11/13/2024	<i>Insight</i> <b>Data Due Date #1:</b> 08-Sep-24	<i>Insight</i> <b>Data Due Date #2:</b> 11-Oct-24	<i>Insight</i> <b>Data Due Date #3:</b> 13-Nov-24
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<b>Lot Number:</b>	<b>42190710</b>	<b>42190711</b>	<b>42190712</b>
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<b>Control:</b>	<b>Low Abnormal</b>	<b>Normal</b>	<b>High Abnormal</b>
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Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
<b>Sysmex® KX-SERIES</b>						
WBC x10 <sup>3</sup> /µL	3.6	3.1 - 4.1	7.3	6.6 - 8.0	18.5	16.7 - 20.3
RBC x10 <sup>6</sup> /µL	2.36	2.16 - 2.56	4.42	4.16 - 4.68	5.38	5.12 - 5.64
HGB g/dL	5.7	5.3 - 6.1	12.4	11.7 - 13.1	16.8	16.0 - 17.6
HCT %	16.2	14.8 - 17.6	34.1	31.8 - 36.4	45.4	41.8 - 49.0
MCV fL	68.7	55.0 - 82.4	77.2	66.5 - 87.9	84.3	72.7 - 95.9
MCH pg	24.3	20.1 - 28.5	28.0	24.4 - 31.6	31.1	27.7 - 34.5
MCHC g/dL	35.4	29.7 - 41.1	36.3	31.2 - 41.4	36.9	31.6 - 42.2
PLT x10 <sup>3</sup> /µL	86	66 - 106	228	187 - 269	543	474 - 612
Lymph (W-SCR) %	20.3	16.6 - 24.0	31.0	28.0 - 34.0	37.2	33.7 - 40.7
Mixed (W-MCR) %	10.9	6.3 - 15.5	11.5	8.8 - 14.2	15.8	13.1 - 18.5
Neut (W-LCR) %	68.8	63.6 - 74.0	57.5	53.9 - 61.1	47.1	43.2 - 51.0
Lymph (W-SCC) x10 <sup>3</sup> /µL	0.7	0.5 - 0.9	2.3	1.8 - 2.8	6.9	6.1 - 7.7
Mixed (W-MCC) x10 <sup>3</sup> /µL	0.4	0.2 - 0.6	0.8	0.6 - 1.0	2.9	2.3 - 3.5
Neut (W-LCC) x10 <sup>3</sup> /µL	2.5	2.1 - 2.9	4.2	3.6 - 4.8	8.7	7.6 - 9.8
RDW-SD fL	37.1	30.8 - 43.4	38.9	33.2 - 44.6	35.7	30.2 - 41.2
RDW-CV %	13.7	11.7 - 15.7	12.5	10.6 - 14.4	10.2	8.3 - 12.1
MPV fL	9.2	7.8 - 10.6	9.2	8.2 - 10.2	9.3	8.5 - 10.1
W-SMV fL	60.1	48.1 - 72.1	60.5	48.5 - 72.5	60.8	49.8 - 71.8
W-LMV fL	198.9	158.9 - 238.9	199.6	169.6 - 229.6	188.7	158.7 - 218.7
PDW fL*	8.6	4.6 - 12.6	8.6	6.0 - 11.2	8.8	7.1 - 10.5
PLCR %*	15.4	9.1 - 21.7	14.8	8.5 - 21.1	15.4	8.9 - 21.9
<b>Sysmex® XP-SERIES</b>						
WBC x10 <sup>3</sup> /µL	3.4	2.9 - 3.9	7.1	6.4 - 7.8	18.0	16.2 - 19.8
RBC x10 <sup>6</sup> /µL	2.34	2.14 - 2.54	4.42	4.16 - 4.68	5.35	5.09 - 5.61
HGB g/dL	5.5	5.1 - 5.9	12.2	11.4 - 13.0	16.5	15.6 - 17.4
HCT %	16.1	14.6 - 17.6	33.9	31.5 - 36.3	45.2	41.6 - 48.8
MCV fL	68.7	55.7 - 81.7	76.8	66.3 - 87.3	84.5	73.2 - 95.8
MCH pg	23.6	19.4 - 27.8	27.6	23.9 - 31.3	30.9	27.6 - 34.2
MCHC g/dL	34.4	28.9 - 39.9	36.0	31.1 - 40.9	36.5	31.5 - 41.5
PLT x10 <sup>3</sup> /µL	86	69 - 103	233	196 - 270	543	480 - 606
Lymph (W-SCR) %	20.1	16.4 - 23.8	31.7	28.6 - 34.8	37.4	33.8 - 41.0
Mixed (W-MCR) %	10.4	5.6 - 15.2	11.2	8.4 - 14.0	15.0	12.4 - 17.6
Neut (W-LCR) %	69.6	64.5 - 74.7	57.1	53.6 - 60.6	47.6	43.7 - 51.5
Lymph (W-SCC) x10 <sup>3</sup> /µL	0.7	0.5 - 0.9	2.2	1.7 - 2.7	6.7	5.9 - 7.5
Mixed (W-MCC) x10 <sup>3</sup> /µL	0.4	0.2 - 0.6	0.8	0.6 - 1.0	2.7	2.2 - 3.2
Neut (W-LCC) x10 <sup>3</sup> /µL	2.4	2.0 - 2.8	4.0	3.4 - 4.6	8.6	7.6 - 9.6
W-SMV fL	58.6	46.6 - 70.6	59.2	47.2 - 71.2	59.5	48.5 - 70.5
W-LMV fL	192.4	152.4 - 232.4	193.0	163.0 - 223.0	182.4	152.4 - 212.4
RDW-SD fL	36.8	31.0 - 42.6	38.8	33.4 - 44.2	35.7	30.3 - 41.1
RDW-CV %	13.4	11.7 - 15.1	12.3	10.7 - 13.9	10.0	8.3 - 11.7
PDW fL*	8.6	5.3 - 11.9	8.7	6.1 - 11.3	8.8	7.0 - 10.6
MPV fL	9.4	8.0 - 10.8	9.5	8.5 - 10.5	9.5	8.7 - 10.3
PLCR %*	17.0	11.3 - 22.7	16.3	9.3 - 23.3	16.8	9.9 - 23.7
PCT %*	0.08	0.04 - 0.12	0.22	0.04 - 0.40	0.52	0.10 - 0.94

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

\*PDW (fL), P-LCR (%) and PCT (%) Not FDA cleared