



# EIGHTCHECK™-3WP X-TRA HEMATOLOGY CONTROL poch-100i™

Expiration Date: 8/21/2024	<i>Insight</i> Data Due Date #1: 16-Jun-24	<i>Insight</i> Data Due Date #2: 19-Jul-24	<i>Insight</i> Data Due Date #3: 21-Aug-24			
Lot Number:	41360710	41360711	41360712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
<b>Sysmex® poch-100i™</b>						
WBC (10 <sup>3</sup> /μL)	3.1	2.7 - 3.5	6.5	5.8 - 7.2	17.6	15.8 - 19.4
RBC (10 <sup>6</sup> /μL)	2.38	2.17 - 2.59	4.54	4.28 - 4.80	5.47	5.21 - 5.73
HGB (g/dL)	5.4	5.1 - 5.7	12.6	11.9 - 13.3	17.2	16.5 - 17.9
HCT (%)	16.6	15.0 - 18.2	36.9	34.2 - 39.6	49.4	45.5 - 53.3
MCV (fL)	69.6	56.9 - 82.3	81.2	70.6 - 91.8	90.3	79.0 - 101.6
MCH (pg)	22.8	19.4 - 26.2	27.7	24.6 - 30.8	31.5	28.8 - 34.2
MCHC (g/dL)	32.8	28.7 - 36.9	34.0	30.2 - 37.8	34.8	30.9 - 38.7
PLT (10 <sup>3</sup> /μL)	82	65 - 99	227	191 - 263	525	465 - 585
Lymph (W-SCR) (%)	21.1	17.4 - 24.8	32.7	29.6 - 35.8	37.4	33.9 - 40.9
Mixed (W-MCR) (%)	9.6	5.0 - 14.2	11.6	8.8 - 14.4	16.3	13.6 - 19.0
Neut (W-LCR) (%)	69.3	64.1 - 74.5	55.7	52.2 - 59.2	46.3	42.4 - 50.2
Lymph (W-SCC) (10 <sup>3</sup> /μL)	0.6	0.4 - 0.8	2.1	1.6 - 2.6	6.6	5.9 - 7.3
Mixed (W-MCC) (10 <sup>3</sup> /μL)	0.3	0.1 - 0.5	0.8	0.6 - 1.0	2.9	2.4 - 3.4
Neut (W-LCC) (10 <sup>3</sup> /μL)	2.1	1.7 - 2.5	3.6	2.7 - 4.5	8.2	7.1 - 9.3
W-SMV (fL)	65.5	53.5 - 77.5	65.9	53.9 - 77.9	65.5	54.5 - 76.5
W-LMV (fL)	207.6	167.6 - 247.6	207.8	177.8 - 237.8	192.9	162.9 - 222.9
RDW-SD (fL)	44.5	37.4 - 51.6	45.9	39.1 - 52.7	45.1	38.3 - 51.9
RDW-CV (%)	18.1	15.7 - 20.5	16.1	13.8 - 18.4	14.2	11.7 - 16.7
MPV (fL)	10.5	8.9 - 12.1	10.2	9.1 - 11.3	10.0	9.1 - 10.9

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



# EIGHTCHECK™-3WP X-TRA HEMATOLOGY CONTROL poch-100i™

Parameters	Low Abnormal			Normal			High Abnormal		
	<i>Insight</i> Due Date #1 6/16/2024			<i>Insight</i> Due Date #2 7/19/2024			<i>Insight</i> Due Date #3 8/21/2024		
	Expiration Date: 2024-08-21			Expiration Date: 2024-08-21			Expiration Date: 2024-08-21		
	Lot Number: 41360710			Lot Number: 41360711			Lot Number: 41360712		
	Mean	Limit	BCR	Mean	Limit	BCR	Mean	Limit	BCR
WBC (10 <sup>3</sup> /μL)	3.1	0.4		6.5	0.7		17.6	1.8	
RBC (10 <sup>6</sup> /μL)	2.38	0.21		4.54	0.26		5.47	0.26	
HGB (g/dL)	5.4	0.3		12.6	0.7		17.2	0.7	
HCT (%)	16.6	1.6		36.9	2.7		49.4	3.9	
MCV (fL)	69.6	12.7		81.2	10.6		90.3	11.3	
MCH (pg)	22.8	3.4		27.7	3.1		31.5	2.7	
MCHC (g/dL)	32.8	4.1		34.0	3.8		34.8	3.9	
PLT (10 <sup>3</sup> /μL)	82	17		227	36		525	60	
Lymph (W-SCR) (%)	21.1	3.7		32.7	3.1		37.4	3.5	
Mixed (W-MCR) (%)	9.6	4.6		11.6	2.8		16.3	2.7	
Neut (W-LCR) (%)	69.3	5.2		55.7	3.5		46.3	3.9	
Lymph (W-SCC) (10 <sup>3</sup> /μL)	0.6	0.2		2.1	0.5		6.6	0.7	
Mixed (W-MCC) (10 <sup>3</sup> /μL)	0.3	0.2		0.8	0.2		2.9	0.5	
Neut (W-LCC) (10 <sup>3</sup> /μL)	2.1	0.4		3.6	0.9		8.2	1.1	
W-SMV (fL)	65.5	12.0		65.9	12.0		65.5	11.0	
W-LMV (fL)	207.6	40.0		207.8	30.0		192.9	30.0	
RDW-SD (fL)	44.5	7.1		45.9	6.8		45.1	6.8	
RDW-CV (%)	18.1	2.4		16.1	2.3		14.2	2.5	
MPV (fL)	10.5	1.6		10.2	1.1		10.0	0.9	

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



# EIGHTCHECK™-3WP X-TRA HEMATOLOGY CONTROL

Expiration Date: 8/21/2024	<i>Insight</i> Data Due Date #1: 16-Jun-24		<i>Insight</i> Data Due Date #2: 19-Jul-24		<i>Insight</i> Data Due Date #3: 21-Aug-24				
Lot Number:	41360710		41360711		41360712				
Control:	Low Abnormal		Normal		High Abnormal				
Parameters	Mean	Expected Range		Mean	Expected Range		Mean	Expected Range	
<b>Sysmex® KX-SERIES™</b>									
WBC (10 <sup>3</sup> /μL)	3.4	2.9	3.9	7.2	6.5	7.9	18.8	17.0	20.6
RBC (10 <sup>6</sup> /μL)	2.33	2.13	2.53	4.38	4.12	4.64	5.33	5.07	5.59
HGB (g/dL)	5.6	5.2	6.0	12.7	12.0	13.4	17.4	16.6	18.2
HCT (%)	15.6	14.2	17.0	34.3	32.0	36.6	46.1	42.5	49.7
MCV (fL)	66.8	53.1	80.5	78.2	67.5	88.9	86.5	74.9	98.1
MCH (pg)	23.9	19.7	28.1	28.9	25.3	32.5	32.6	29.2	36.0
MCHC (g/dL)	35.8	30.1	41.5	36.9	31.8	42.0	37.6	32.3	42.9
PLT (10 <sup>3</sup> /μL)	83	63	103	228	187	269	544	475	613
Lymph (W-SCR) (%)	20.6	16.9	24.3	31.4	28.4	34.4	35.1	31.6	38.6
Mixed (W-MCR) (%)	9.6	5.0	14.2	11.6	8.9	14.3	16.2	13.5	18.9
Neut (W-LCR) (%)	69.9	64.7	75.1	57.0	53.4	60.6	48.8	44.9	52.7
Lymph (W-SCC) (10 <sup>3</sup> /μL)	0.7	0.5	0.9	2.3	1.8	2.8	6.6	5.8	7.4
Mixed (W-MCC) (10 <sup>3</sup> /μL)	0.3	0.1	0.5	0.8	0.6	1.0	3.0	2.4	3.6
Neut (W-LCC) (10 <sup>3</sup> /μL)	2.4	2.0	2.8	4.1	3.5	4.7	9.2	8.1	10.3
RDW-SD (fL)	38.7	32.4	45.0	37.0	31.3	42.7	34.4	28.9	39.9
RDW-CV (%)	14.6	12.6	16.6	11.5	9.6	13.4	9.2	7.3	11.1
MPV (fL)	9.1	7.7	10.5	9.2	8.2	10.2	9.2	8.4	10.0
W-SMV (fL)	62.5	50.5	74.5	63.1	51.1	75.1	63.1	52.1	74.1
W-LMV (fL)	203.4	163.4	243.4	203.8	173.8	233.8	189.9	159.9	219.9
<b>Sysmex® XP-SERIES™</b>									
WBC (10 <sup>3</sup> /μL)	3.3	2.8	3.8	7.1	6.4	7.8	18.5	16.7	20.3
RBC (10 <sup>6</sup> /μL)	2.32	2.12	2.52	4.38	4.12	4.64	5.32	5.06	5.58
HGB (g/dL)	5.3	4.9	5.7	12.5	11.7	13.3	17.1	16.2	18.0
HCT (%)	15.5	14.0	17.0	34.1	31.7	36.5	46.0	42.4	49.6
MCV (fL)	66.8	53.8	79.8	77.9	67.4	88.4	86.6	75.3	97.9
MCH (pg)	22.9	18.7	27.1	28.4	24.7	32.1	32.2	28.9	35.5
MCHC (g/dL)	34.4	28.9	39.9	36.5	31.6	41.4	37.2	32.2	42.2
PLT (10 <sup>3</sup> /μL)	82	65	99	232	195	269	547	484	610
Lymph (W-SCR) (%)	20.5	16.8	24.2	31.1	28.0	34.2	35.0	31.4	38.6
Mixed (W-MCR) (%)	9.4	4.6	14.2	11.3	8.5	14.1	15.5	12.9	18.1
Neut (W-LCR) (%)	70.1	65.0	75.2	57.7	54.2	61.2	49.6	45.7	53.5
Lymph (W-SCC) (10 <sup>3</sup> /μL)	0.7	0.5	0.9	2.2	1.7	2.7	6.5	5.7	7.3
Mixed (W-MCC) (10 <sup>3</sup> /μL)	0.3	0.1	0.5	0.8	0.6	1.0	2.9	2.4	3.4
Neut (W-LCC) (10 <sup>3</sup> /μL)	2.3	1.9	2.7	4.1	3.5	4.7	9.2	8.2	10.2
W-SMV (fL)	61.0	49.0	73.0	61.5	49.5	73.5	61.8	50.8	72.8
W-LMV (fL)	196.3	156.3	236.3	196.7	166.7	226.7	183.3	153.3	213.3
RDW-SD (fL)	37.8	32.0	43.6	37.1	31.7	42.5	34.1	28.7	39.5
RDW-CV (%)	14.2	12.5	15.9	11.3	9.7	12.9	9.2	7.5	10.9
MPV (fL)	9.4	8.0	10.8	9.5	8.5	10.5	9.5	8.7	10.3

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# EIGHTCHECK™-3WP X-TRA HEMATOLOGY CONTROL XP-SERIES™

Parameters	Low Abnormal			Normal			High Abnormal		
	<i>Insight</i> Due Date #1 6/16/2024			<i>Insight</i> Due Date #2 7/19/2024			<i>Insight</i> Due Date #3 8/21/2024		
	Expiration Date: 2024-08-21			Expiration Date: 2024-08-21			Expiration Date: 2024-08-21		
	Lot Number: 41360710			Lot Number: 41360711			Lot Number: 41360712		
Mean	Limit	BCR	Mean	Limit	BCR	Mean	Limit	BCR	
WBC (10 <sup>3</sup> /μL)	3.3	0.5		7.1	0.7		18.5	1.8	
RBC (10 <sup>6</sup> /μL)	2.32	0.20		4.38	0.26		5.32	0.26	
HGB (g/dL)	5.3	0.4		12.5	0.8		17.1	0.9	
HCT (%)	15.5	1.5		34.1	2.4		46.0	3.6	
MCV (fL)	66.8	13.0		77.9	10.5		86.6	11.3	
MCH (pg)	22.9	4.2		28.4	3.7		32.2	3.3	
MCHC (g/dL)	34.4	5.5		36.5	4.9		37.2	5.0	
PLT (10 <sup>3</sup> /μL)	82	17		232	37		547	63	
Lymph (W-SCR) (%)	20.5	3.7		31.1	3.1		35.0	3.6	
Mixed (W-MCR) (%)	9.4	4.8		11.3	2.8		15.5	2.6	
Neut (W-LCR) (%)	70.1	5.1		57.7	3.5		49.6	3.9	
Lymph (W-SCC) (10 <sup>3</sup> /μL)	0.7	0.2		2.2	0.5		6.5	0.8	
Mixed (W-MCC) (10 <sup>3</sup> /μL)	0.3	0.2		0.8	0.2		2.9	0.5	
Neut (W-LCC) (10 <sup>3</sup> /μL)	2.3	0.4		4.1	0.6		9.2	1.0	
W-SMV (fL)	61.0	12.0		61.5	12.0		61.8	11.0	
W-LMV (fL)	196.3	40.0		196.7	30.0		183.3	30.0	
RDW-SD (fL)	37.8	5.8		37.1	5.4		34.1	5.4	
RDW-CV (%)	14.2	1.7		11.3	1.6		9.2	1.7	
MPV (fL)	9.4	1.4		9.5	1.0		9.5	0.8	

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