



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

Expiration Date: 2/5/2025	<i>Insight</i> Data Due Date #1: 01-Dec-24	<i>Insight</i> Data Due Date #2: 03-Jan-25	<i>Insight</i> Data Due Date #3: 05-Feb-25			
Lot Number:	43030710	43030711	43030712			
Control:	Low Abnormal	Normal	High Abnormal			
Parameters	Mean	Expected Range	Mean	Expected Range	Mean	Expected Range
Sysmex® poch-100i™						
WBC (10 ³ /μL)	3.2	2.8 - 3.6	6.5	5.8 - 7.2	17.4	15.6 - 19.2
RBC (10 ⁶ /μL)	2.39	2.18 - 2.60	4.52	4.26 - 4.78	5.47	5.21 - 5.73
HGB (g/dL)	5.5	5.2 - 5.8	11.9	11.2 - 12.6	16.2	15.5 - 16.9
HCT (%)	16.8	15.2 - 18.4	35.0	32.3 - 37.7	46.7	42.8 - 50.6
MCV (fL)	70.5	57.8 - 83.2	77.4	66.8 - 88.0	85.3	74.0 - 96.6
MCH (pg)	23.2	19.8 - 26.6	26.4	23.3 - 29.5	29.7	27.0 - 32.4
MCHC (g/dL)	32.8	28.7 - 36.9	34.1	30.3 - 37.9	34.8	30.9 - 38.7
PLT (10 ³ /μL)	84	67 - 101	218	182 - 254	504	444 - 564
Lymph (W-SCR) (%)	19.7	16.0 - 23.4	31.1	28.0 - 34.2	37.0	33.5 - 40.5
Mixed (W-MCR) (%)	9.6	5.0 - 14.2	10.2	7.4 - 13.0	14.6	11.9 - 17.3
Neut (W-LCR) (%)	70.8	65.6 - 76.0	58.6	55.1 - 62.1	48.4	44.5 - 52.3
Lymph (W-SCC) (10 ³ /μL)	0.6	0.4 - 0.8	2.0	1.5 - 2.5	6.4	5.7 - 7.1
Mixed (W-MCC) (10 ³ /μL)	0.3	0.1 - 0.5	0.7	0.5 - 0.9	2.5	2.0 - 3.0
Neut (W-LCC) (10 ³ /μL)	2.3	1.9 - 2.7	3.8	2.9 - 4.7	8.4	7.3 - 9.5
W-SMV (fL)	63.7	51.7 - 75.7	63.2	51.2 - 75.2	63.2	52.2 - 74.2
W-LMV (fL)	199.9	159.9 - 239.9	199.6	169.6 - 229.6	199.0	169.0 - 229.0
RDW-SD (fL)	44.4	37.3 - 51.5	46.6	39.8 - 53.4	44.8	38.0 - 51.6
RDW-CV (%)	17.8	15.4 - 20.2	17.1	14.8 - 19.4	15.0	12.5 - 17.5
MPV (fL)	10.4	8.8 - 12.0	10.1	9.0 - 11.2	10.1	9.2 - 11.0

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 12/1/2024			<i>Insight</i> Due Date #2 1/3/2025			<i>Insight</i> Due Date #3 2/5/2025		
	Expiration Date: 2025-02-05			Expiration Date: 2025-02-05			Expiration Date: 2025-02-05		
	Lot Number: 43030710			Lot Number: 43030711			Lot Number: 43030712		
	Mean	Limit	BCR	Mean	Limit	BCR	Mean	Limit	BCR
WBC (10 ³ /μL)	3.2	0.4		6.5	0.7		17.4	1.8	
RBC (10 ⁶ /μL)	2.39	0.21		4.52	0.26		5.47	0.26	
HGB (g/dL)	5.5	0.3		11.9	0.7		16.2	0.7	
HCT (%)	16.8	1.6		35.0	2.7		46.7	3.9	
MCV (fL)	70.5	12.7		77.4	10.6		85.3	11.3	
MCH (pg)	23.2	3.4		26.4	3.1		29.7	2.7	
MCHC (g/dL)	32.8	4.1		34.1	3.8		34.8	3.9	
PLT (10 ³ /μL)	84	17		218	36		504	60	
Lymph (W-SCR) (%)	19.7	3.7		31.1	3.1		37.0	3.5	
Mixed (W-MCR) (%)	9.6	4.6		10.2	2.8		14.6	2.7	
Neut (W-LCR) (%)	70.8	5.2		58.6	3.5		48.4	3.9	
Lymph (W-SCC) (10 ³ /μL)	0.6	0.2		2.0	0.5		6.4	0.7	
Mixed (W-MCC) (10 ³ /μL)	0.3	0.2		0.7	0.2		2.5	0.5	
Neut (W-LCC) (10 ³ /μL)	2.3	0.4		3.8	0.9		8.4	1.1	
W-SMV (fL)	63.7	12.0		63.2	12.0		63.2	11.0	
W-LMV (fL)	199.9	40.0		199.6	30.0		199.0	30.0	
RDW-SD (fL)	44.4	7.1		46.6	6.8		44.8	6.8	
RDW-CV (%)	17.8	2.4		17.1	2.3		15.0	2.5	
MPV (fL)	10.4	1.6		10.1	1.1		10.1	0.9	

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



EIGHTCHECK™-3WP X-TRA HEMATOLOGY CONTROL

Expiration Date: 2/5/2025	<i>Insight</i> Data Due Date #1: 01-Dec-24		<i>Insight</i> Data Due Date #2: 03-Jan-25		<i>Insight</i> Data Due Date #3: 05-Feb-25				
Lot Number:	43030710		43030711		43030712				
Control:	Low Abnormal		Normal		High Abnormal				
Parameters	Mean	Expected Range		Mean	Expected Range		Mean	Expected Range	
Sysmex® KX-SERIES™									
WBC (10 ³ /μL)	3.7	3.2	4.2	7.0	6.3	7.7	18.4	16.6	20.2
RBC (10 ⁶ /μL)	2.35	2.15	2.55	4.40	4.14	4.66	5.36	5.10	5.62
HGB (g/dL)	5.7	5.3	6.1	12.1	11.4	12.8	16.4	15.6	17.2
HCT (%)	16.0	14.6	17.4	33.0	30.7	35.3	44.2	40.6	47.8
MCV (fL)	67.9	54.2	81.6	75.0	64.3	85.7	82.6	71.0	94.2
MCH (pg)	24.2	20.0	28.4	27.4	23.8	31.0	30.6	27.2	34.0
MCHC (g/dL)	35.7	30.0	41.4	36.5	31.4	41.6	37.1	31.8	42.4
PLT (10 ³ /μL)	89	69	109	223	182	264	530	461	599
Lymph (W-SCR) (%)	20.1	16.4	23.8	29.7	26.7	32.7	35.3	31.8	38.8
Mixed (W-MCR) (%)	10.4	5.8	15.0	11.5	8.8	14.2	15.7	13.0	18.4
Neut (W-LCR) (%)	69.5	64.3	74.7	58.8	55.2	62.4	49.0	45.1	52.9
Lymph (W-SCC) (10 ³ /μL)	0.7	0.5	0.9	2.1	1.6	2.6	6.5	5.7	7.3
Mixed (W-MCC) (10 ³ /μL)	0.4	0.2	0.6	0.8	0.6	1.0	2.9	2.3	3.5
Neut (W-LCC) (10 ³ /μL)	2.6	2.2	3.0	4.1	3.5	4.7	9.0	7.9	10.1
RDW-SD (fL)	37.9	31.6	44.2	38.3	32.6	44.0	34.7	29.2	40.2
RDW-CV (%)	14.1	12.1	16.1	12.6	10.7	14.5	10.0	8.1	11.9
MPV (fL)	9.2	7.8	10.6	9.4	8.4	10.4	9.5	8.7	10.3
W-SMV (fL)	60.0	48.0	72.0	60.8	48.8	72.8	60.9	49.9	71.9
W-LMV (fL)	196.3	156.3	236.3	196.6	166.6	226.6	196.6	166.6	226.6
Sysmex® XP-SERIES™									
WBC (10 ³ /μL)	3.5	3.0	4.0	6.9	6.2	7.6	17.7	15.9	19.5
RBC (10 ⁶ /μL)	2.34	2.14	2.54	4.40	4.14	4.66	5.34	5.08	5.60
HGB (g/dL)	5.4	5.0	5.8	11.8	11.0	12.6	16.1	15.2	17.0
HCT (%)	15.9	14.4	17.4	32.9	30.5	35.3	44.2	40.6	47.8
MCV (fL)	68.1	55.1	81.1	74.8	64.3	85.3	82.8	71.5	94.1
MCH (pg)	23.3	19.1	27.5	26.9	23.2	30.6	30.1	26.8	33.4
MCHC (g/dL)	34.2	28.7	39.7	35.9	31.0	40.8	36.4	31.4	41.4
PLT (10 ³ /μL)	89	72	106	227	190	264	536	473	599
Lymph (W-SCR) (%)	20.1	16.4	23.8	30.3	27.2	33.4	35.8	32.2	39.4
Mixed (W-MCR) (%)	10.4	5.6	15.2	11.0	8.2	13.8	15.2	12.6	17.8
Neut (W-LCR) (%)	69.5	64.4	74.6	58.7	55.2	62.2	49.1	45.2	53.0
Lymph (W-SCC) (10 ³ /μL)	0.7	0.5	0.9	2.1	1.6	2.6	6.3	5.5	7.1
Mixed (W-MCC) (10 ³ /μL)	0.4	0.2	0.6	0.8	0.6	1.0	2.7	2.2	3.2
Neut (W-LCC) (10 ³ /μL)	2.4	2.0	2.8	4.1	3.5	4.7	8.7	7.7	9.7
W-SMV (fL)	58.7	46.7	70.7	59.0	47.0	71.0	59.5	48.5	70.5
W-LMV (fL)	190.0	150.0	230.0	190.0	160.0	220.0	189.7	159.7	219.7
RDW-SD (fL)	37.4	31.6	43.2	38.2	32.8	43.6	34.8	29.4	40.2
RDW-CV (%)	13.8	12.1	15.5	12.4	10.8	14.0	10.0	8.3	11.7
MPV (fL)	9.4	8.0	10.8	9.5	8.5	10.5	9.6	8.8	10.4

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



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

Parameters	Low Abnormal			Normal			High Abnormal		
	<i>Insight</i> Due Date #1 12/1/2024			<i>Insight</i> Due Date #2 1/3/2025			<i>Insight</i> Due Date #3 2/5/2025		
	Expiration Date: 2025-02-05			Expiration Date: 2025-02-05			Expiration Date: 2025-02-05		
	Lot Number: 43030710			Lot Number: 43030711			Lot Number: 43030712		
Mean	Limit	BCR	Mean	Limit	BCR	Mean	Limit	BCR	
WBC (10 ³ /μL)	3.5	0.5		6.9	0.7		17.7	1.8	
RBC (10 ⁶ /μL)	2.34	0.20		4.40	0.26		5.34	0.26	
HGB (g/dL)	5.4	0.4		11.8	0.8		16.1	0.9	
HCT (%)	15.9	1.5		32.9	2.4		44.2	3.6	
MCV (fL)	68.1	13.0		74.8	10.5		82.8	11.3	
MCH (pg)	23.3	4.2		26.9	3.7		30.1	3.3	
MCHC (g/dL)	34.2	5.5		35.9	4.9		36.4	5.0	
PLT (10 ³ /μL)	89	17		227	37		536	63	
Lymph (W-SCR) (%)	20.1	3.7		30.3	3.1		35.8	3.6	
Mixed (W-MCR) (%)	10.4	4.8		11.0	2.8		15.2	2.6	
Neut (W-LCR) (%)	69.5	5.1		58.7	3.5		49.1	3.9	
Lymph (W-SCC) (10 ³ /μL)	0.7	0.2		2.1	0.5		6.3	0.8	
Mixed (W-MCC) (10 ³ /μL)	0.4	0.2		0.8	0.2		2.7	0.5	
Neut (W-LCC) (10 ³ /μL)	2.4	0.4		4.1	0.6		8.7	1.0	
W-SMV (fL)	58.7	12.0		59.0	12.0		59.5	11.0	
W-LMV (fL)	190.0	40.0		190.0	30.0		189.7	30.0	
RDW-SD (fL)	37.4	5.8		38.2	5.4		34.8	5.4	
RDW-CV (%)	13.8	1.7		12.4	1.6		10.0	1.7	
MPV (fL)	9.4	1.4		9.5	1.0		9.6	0.8	

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