



sysmex
SF-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS
OPEN MODE ASSAY

Expiration Date: 2009-03-15		Quality Control Data Due Date #1: 11-Feb-09			Quality Control Data Due Date #2: 21-Mar-09						
Lot Number:		83640600		83640601		83640602					
Control:		Low Abnormal		Normal		High Abnormal					
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE			
O	RBC (10 ¹² /L)	2.28	2.14	- 2.42	4.34	4.12	- 4.56	5.30	5.04	- 5.57	
	HGB (g/dL)	6.0	5.7	- 6.3	12.9	12.3	- 13.5	16.9	16.1	- 17.7	
	HCT (%)	16.8	15.7	- 17.9	35.1	33.0	- 37.2	45.7	43.0	- 48.4	
	MCV (fL)	73.7	65.0	- 83.5	80.9	72.4	- 90.2	86.2	77.2	- 96.2	
	MCH (pg)	26.3	23.6	- 29.4	29.7	27.0	- 32.7	31.9	29.0	- 35.1	
	MCHC (g/dL)	35.7	31.9	- 40.1	36.7	33.1	- 40.8	37.0	33.3	- 41.1	
	RDW-SD (fL)	24.7	21.7	- 27.7	26.0	23.4	- 28.6	27.4	24.7	- 30.1	
	RDW-CV (%)	10.8	9.5	- 12.1	10.0	8.9	- 11.1	9.6	8.6	- 10.5	
	PLT (10 ⁹ /L)	56	39	- 73	217	174	- 261	488	424	- 551	
	PDW (fL)	7.2	5.4	- 9.0	7.5	6.3	- 8.6	7.7	6.7	- 8.6	
P	MPV (fL)	8.8	7.5	- 10.1	9.2	8.3	- 10.1	9.3	8.4	- 10.2	
	WBC (10 ⁹ /L)	2.49	2.24	- 2.74	6.56	6.04	- 7.09	16.50	15.43	- 17.58	
	NEUT# (10 ⁹ /L)	1.10	0.88	- 1.32	3.28	2.95	- 3.61	9.56	8.60	- 10.52	
	LYMPH# (10 ⁹ /L)	1.13	0.79	- 1.47	2.33	1.86	- 2.80	3.76	2.82	- 4.70	
	MONO# (10 ⁹ /L)	0.18	0.13	- 0.23	0.55	0.44	- 0.66	1.56	1.25	- 1.87	
	EO# (10 ⁹ /L)	0.08	0.03	- 0.13	0.40	0.28	- 0.52	1.62	1.13	- 2.11	
	BASO# (10 ⁹ /L)	2.49	2.24	- 2.74	6.56	6.04	- 7.08	16.50	15.43	- 17.57	
	NEUT%	43.9	35.1	- 52.7	49.9	44.9	- 54.9	57.9	52.1	- 63.7	
	LYMPH%	45.5	31.9	- 59.2	35.5	28.4	- 42.6	22.8	17.1	- 28.5	
	MONO%	7.4	5.2	- 9.6	8.4	6.7	- 10.1	9.5	7.6	- 11.3	
E	EO%	3.2	1.3	- 5.1	6.1	4.3	- 8.0	9.8	6.9	- 12.8	
	BASO%	100.0	NA	- NA	100.0	NA	- NA	100.0	NA	- NA	
	GRAN-X	200.2	191.2	- 209.2	195.7	186.7	- 204.7	198.2	189.2	- 207.2	
	GRAN-Y	179.3	167.3	- 191.3	179.8	167.8	- 191.8	182.4	170.4	- 194.4	
	N	WBC/BA-X	68.6	53.6	- 83.6	70.6	55.6	- 85.6	78.7	63.7	- 93.7
		WBC/BA-Y	138.0	129.0	- 147.0	137.4	128.4	- 146.4	143.9	134.9	- 152.9
		GRAN-Y (W)	23.5	8.5	- 38.5	23.4	11.4	- 35.4	25.9	13.9	- 37.9

Sysmex recommends that laboratories establish their own Q.C. Target Values for each new lot number by collecting at least 10 data points per control level over 5 days. The mean Q.C. Target Values from this ini data collection should be inside the above Expected Ranges. These Expected Ranges represent estimates of interlaboratory variation, and are not intended for use as the laboratory's internal Q.C. file limits. Sysmex recommends that each laboratory establish its own Q.C. file limits based on the laboratory's historical coefficient of variation. See your Sysmex Training Manual for more information on establishing Q.C. file limits.



**HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS
CLOSED MODE ASSAY**

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PARAMETERS	MEAN	EXPECTED RANGE			MEAN	EXPECTED RANGE			MEAN	EXPECTED RANGE		
C L O S E D	RBC (10 ¹² /L)	2.28	2.14	- 2.42	4.30	4.04	- 4.55	5.25	4.93	- 5.56		
	HGB (g/dL)	6.0	5.6	- 6.4	12.8	12.1	- 13.5	16.9	16.0	- 17.8		
	HCT (%)	16.8	15.6	- 18.0	34.8	32.4	- 37.2	45.2	42.0	- 48.4		
	MCV (fL)	73.7	64.6	- 83.9	81.0	71.1	- 92.2	86.1	75.6	- 98.1		
	MCH (pg)	26.3	23.3	- 29.7	29.7	26.5	- 33.3	32.2	28.7	- 36.2		
	MCHC (g/dL)	35.7	31.4	- 40.7	36.7	32.4	- 41.6	37.4	33.0	- 42.4		
	RDW-SD (fL)	24.7	21.7	- 27.7	26.0	23.4	- 28.6	27.4	24.7	- 30.1		
	RDW-CV (%)	10.8	9.5	- 12.1	10.0	9.0	- 11.0	9.6	8.6	- 10.5		
	PLT (10 ⁹ /L)	55	38	- 71	206	175	- 237	459	399	- 518		
	PDW (fL)	7.2	5.4	- 9.0	7.5	6.3	- 8.6	7.7	6.9	- 8.4		
	MPV (fL)	8.8	7.5	- 10.1	9.2	8.5	- 10.0	9.3	8.6	- 10.0		
	WBC (10 ⁹ /L)	2.49	2.19	- 2.79	6.56	5.91	- 7.22	16.50	15.02	- 17.99		
	NEUT# (10 ⁹ /L)	1.10	0.88	- 1.32	3.27	2.88	- 3.66	9.56	8.41	- 10.71		
	LYMPH# (10 ⁹ /L)	1.13	0.79	- 1.47	2.33	1.86	- 2.80	3.76	2.93	- 4.59		
	MONO# (10 ⁹ /L)	0.18	0.12	- 0.24	0.55	0.44	- 0.66	1.56	1.25	- 1.87		
	EO# (10 ⁹ /L)	0.08	0.03	- 0.13	0.41	0.29	- 0.53	1.62	1.30	- 1.94		
	BASO# (10 ⁹ /L)	2.49	2.19	- 2.79	6.56	5.90	- 7.22	16.50	15.02	- 17.99		
	NEUT%	43.8	35.0	- 52.6	49.9	43.9	- 55.9	57.9	51.0	- 64.8		
	LYMPH%	45.5	31.9	- 59.2	35.5	28.4	- 42.6	22.8	17.8	- 27.8		
	MONO%	7.4	4.8	- 10.0	8.4	6.7	- 10.1	9.5	7.6	- 11.3		
EO%	3.3	1.3	- 5.3	6.2	4.3	- 8.1	9.8	7.9	- 11.8			
BASO%	100.0	NA	- NA	100.0	NA	- NA	100.0	NA	- NA			
GRAN-X	200.2	191.2	- 209.2	195.7	186.7	- 204.7	198.2	189.2	- 207.2			
GRAN-Y	179.3	167.3	- 191.3	179.8	167.8	- 191.8	182.4	170.4	- 194.4			
WBC/BA-X	68.6	53.6	- 83.6	70.6	55.6	- 85.6	78.7	63.7	- 93.7			
WBC/BA-Y	138.0	129.0	- 147.0	137.4	128.4	- 146.4	143.9	134.9	- 152.9			
GRAN-Y (W)	23.5	8.5	- 38.5	23.4	11.4	- 35.4	25.9	13.9	- 37.9			

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