



SF-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS

OPEN MODE ASSAY

Expiration Date: 2008-12-07		Quality Control Data Due Date #1: 05-Nov-08			Quality Control Data Due Date #2: 13-Dec-08			
Lot Number:		82660600		82660601		82660602		
Control:		Low Abnormal		Normal		High Abnormal		
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
O	RBC (10 ¹² /L)	2.30	2.16 - 2.44	4.28	4.07 - 4.49	5.20	4.94 - 5.46	
	HGB (g/dL)	6.2	5.9 - 6.5	12.7	12.1 - 13.3	16.9	16.1 - 17.6	
	HCT (%)	17.3	16.2 - 18.4	34.7	32.6 - 36.8	45.5	42.8 - 48.2	
	MCV (fL)	75.2	66.3 - 85.2	81.1	72.6 - 90.5	87.5	78.3 - 97.6	
	MCH (pg)	27.0	24.2 - 30.1	29.7	27.0 - 32.6	32.4	29.5 - 35.6	
	MCHC (g/dL)	35.8	32.0 - 40.2	36.6	33.0 - 40.7	37.0	33.4 - 41.2	
	RDW-SD (fL)	24.4	21.5 - 27.3	25.2	22.7 - 27.8	27.9	25.1 - 30.7	
	RDW-CV (%)	10.5	9.2 - 11.8	9.7	8.6 - 10.7	9.4	8.5 - 10.3	
	P	PLT (10 ⁹ /L)	51	36 - 66	224	179 - 269	527	459 - 596
		PDW (fL)	8.8	6.6 - 11.0	8.8	7.5 - 10.1	9.0	7.9 - 10.1
MPV (fL)		9.3	7.9 - 10.7	9.5	8.5 - 10.4	9.7	8.7 - 10.6	
WBC (10 ⁹ /L)		2.48	2.23 - 2.73	7.10	6.53 - 7.67	16.58	15.50 - 17.66	
NEUT# (10 ⁹ /L)		1.21	0.97 - 1.45	3.53	3.18 - 3.88	9.19	8.27 - 10.11	
LYMPH# (10 ⁹ /L)		0.99	0.69 - 1.29	2.53	2.02 - 3.04	4.35	3.26 - 5.44	
MONO# (10 ⁹ /L)		0.20	0.14 - 0.26	0.60	0.48 - 0.72	1.54	1.23 - 1.85	
EO# (10 ⁹ /L)		0.08	0.03 - 0.13	0.44	0.31 - 0.57	1.50	1.05 - 1.95	
E		BASO# (10 ⁹ /L)	2.48	2.23 - 2.73	7.10	6.53 - 7.67	16.58	15.50 - 17.66
		NEUT%	48.4	38.7 - 58.1	49.8	44.8 - 54.8	55.4	49.9 - 60.9
	LYMPH%	40.1	28.1 - 52.1	35.6	28.5 - 42.7	26.2	19.7 - 32.8	
	MONO%	8.1	5.7 - 10.6	8.4	6.8 - 10.1	9.3	7.4 - 11.2	
	EO%	3.4	1.4 - 5.4	6.2	4.3 - 8.1	9.0	6.3 - 11.7	
N	BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA	
	GRAN-X	200.3	191.3 - 209.3	198.1	189.1 - 207.1	197.6	188.6 - 206.6	
	GRAN-Y	178.1	166.1 - 190.1	179.3	167.3 - 191.3	179.0	167.0 - 191.0	
	WBC/BA-X	72.4	57.4 - 87.4	76.6	61.6 - 91.6	83.1	68.1 - 98.1	
	WBC/BA-Y	135.2	126.2 - 144.2	136.6	127.6 - 145.6	139.5	130.5 - 148.5	
GRAN-Y (W)	21.5	6.5 - 36.5	22.4	10.4 - 34.4	23.0	11.0 - 35.0		

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 initial 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.



SF-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS CLOSED MODE ASSAY

Expiration Date: 2008-12-07		Quality Control Data Due Date #1: 05-Nov-08				Quality Control Data Due Date #2: 13-Dec-08			
Lot Number:		82660600		82660601		82660602			
Control:		Low Abnormal		Normal		High Abnormal			
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE		
C L O S E D	RBC (10 ¹² /L)	2.30	2.16 - 2.44	4.24	3.98 - 4.49	5.15	4.84 - 5.46		
	HGB (g/dL)	6.2	5.8 - 6.6	12.6	11.9 - 13.3	16.9	15.9 - 17.8		
	HCT (%)	17.3	16.1 - 18.5	34.4	32.0 - 36.8	45.0	41.9 - 48.2		
	MCV (fL)	75.2	66.0 - 85.6	81.2	71.2 - 92.4	87.4	76.7 - 99.5		
	MCH (pg)	27.0	23.9 - 30.4	29.7	26.5 - 33.3	32.7	29.2 - 36.7		
	MCHC (g/dL)	35.8	31.5 - 40.8	36.5	32.3 - 41.5	37.5	33.1 - 42.5		
	RDW-SD (fL)	24.4	21.5 - 27.3	25.2	22.7 - 27.8	27.9	25.1 - 30.7		
	RDW-CV (%)	10.5	9.2 - 11.8	9.7	8.7 - 10.6	9.4	8.5 - 10.3		
	PLT (10 ⁹ /L)	50	35 - 65	213	181 - 245	496	431 - 560		
	PDW (fL)	8.8	6.6 - 11.0	8.8	7.5 - 10.1	9.0	8.1 - 9.9		
	MPV (fL)	9.3	7.9 - 10.7	9.5	8.7 - 10.3	9.7	8.9 - 10.5		
	WBC (10 ⁹ /L)	2.48	2.18 - 2.78	7.10	6.39 - 7.81	16.58	15.09 - 18.07		
	NEUT# (10 ⁹ /L)	1.20	0.96 - 1.44	3.52	3.10 - 3.94	9.19	8.09 - 10.29		
	LYMPH# (10 ⁹ /L)	0.99	0.69 - 1.29	2.53	2.02 - 3.04	4.35	3.39 - 5.31		
	MONO# (10 ⁹ /L)	0.20	0.13 - 0.27	0.60	0.48 - 0.72	1.54	1.23 - 1.85		
	EO# (10 ⁹ /L)	0.09	0.04 - 0.14	0.45	0.32 - 0.59	1.50	1.20 - 1.80		
	BASO# (10 ⁹ /L)	2.48	2.18 - 2.78	7.10	6.39 - 7.81	16.58	15.09 - 18.07		
	NEUT%	48.3	38.6 - 58.0	49.7	43.7 - 55.7	55.4	48.8 - 62.0		
	LYMPH%	40.1	28.1 - 52.1	35.6	28.5 - 42.7	26.2	20.5 - 32.0		
	MONO%	8.1	5.3 - 11.0	8.4	6.8 - 10.1	9.3	7.4 - 11.2		
EO%	3.4	1.4 - 5.5	6.3	4.4 - 8.2	9.0	7.2 - 10.8			
BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA			
GRAN-X	200.3	191.3 - 209.3	198.1	189.1 - 207.1	197.6	188.6 - 206.6			
GRAN-Y	178.1	166.1 - 190.1	179.3	167.3 - 191.3	179.0	167.0 - 191.0			
WBC/BA-X	72.4	57.4 - 87.4	76.6	61.6 - 91.6	83.1	68.1 - 98.1			
WBC/BA-Y	135.2	126.2 - 144.2	136.6	127.6 - 145.6	139.5	130.5 - 148.5			
GRAN-Y (W)	21.5	6.5 - 36.5	22.4	10.4 - 34.4	23.0	11.0 - 35.0			

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