

Sysmex

SF-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS

OPEN MODE ASSAY

Expiration Date: 2008-08-31		Quality Control Data Due Date #1: 30-Jul-08			Quality Control Data Due Date #2: 06-Sep-08			
Lot Number:		81680600		81680601		81680602		
Control:		Low Abnormal		Normal		High Abnormal		
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
O	RBC (10 ¹² /L)	2.29	2.15 - 2.43	4.31	4.09 - 4.53	5.30	5.04 - 5.57	
	HGB (g/dL)	6.0	5.7 - 6.4	12.8	12.2 - 13.4	16.9	16.2 - 17.7	
	HCT (%)	17.1	16.0 - 18.2	35.2	33.1 - 37.3	46.1	43.3 - 48.9	
	MCV (fL)	74.7	65.9 - 84.6	81.7	73.1 - 91.1	87.0	77.9 - 97.1	
	MCH (pg)	26.4	23.7 - 29.5	29.7	27.0 - 32.7	31.9	29.0 - 35.1	
	MCHC (g/dL)	35.4	31.6 - 39.7	36.4	32.8 - 40.5	36.7	33.1 - 40.8	
	RDW-SD (fL)	23.3	20.5 - 26.1	24.4	22.0 - 26.8	27.8	25.0 - 30.6	
	RDW-CV (%)	10.2	8.9 - 11.4	9.3	8.3 - 10.3	9.5	8.5 - 10.4	
	P	PLT (10 ⁹ /L)	52	37 - 68	211	168 - 253	507	441 - 573
		PDW (fL)	7.8	5.8 - 9.7	8.2	6.9 - 9.4	8.4	7.4 - 9.4
MPV (fL)		9.3	7.9 - 10.7	9.6	8.6 - 10.5	9.7	8.8 - 10.7	
WBC (10 ⁹ /L)		2.48	2.23 - 2.73	7.00	6.44 - 7.56	16.88	15.78 - 17.97	
NEUT# (10 ⁹ /L)		1.07	0.86 - 1.28	3.73	3.36 - 4.10	9.65	8.69 - 10.62	
LYMPH# (10 ⁹ /L)		1.14	0.80 - 1.48	2.22	1.78 - 2.66	4.02	3.02 - 5.03	
MONO# (10 ⁹ /L)		0.18	0.13 - 0.23	0.62	0.50 - 0.74	1.61	1.29 - 1.93	
EO# (10 ⁹ /L)		0.09	0.04 - 0.14	0.43	0.30 - 0.56	1.60	1.12 - 2.08	
E		BASO# (10 ⁹ /L)	2.48	2.23 - 2.73	7.00	6.44 - 7.56	16.88	15.78 - 17.98
		NEUT%	43.4	34.7 - 52.1	53.3	48.0 - 58.6	57.2	51.5 - 62.9
	LYMPH%	45.8	32.1 - 59.5	31.7	25.3 - 38.0	23.8	17.8 - 29.7	
	MONO%	7.2	5.0 - 9.4	8.9	7.1 - 10.7	9.6	7.6 - 11.5	
	EO%	3.6	1.5 - 5.8	6.1	4.3 - 7.9	9.5	6.6 - 12.3	
	BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA	
	GRAN-X	200.1	191.1 - 209.1	197.6	188.6 - 206.6	198.0	189.0 - 207.0	
	GRAN-Y	176.0	164.0 - 188.0	174.1	162.1 - 186.1	177.2	165.2 - 189.2	
	N	WBC/BA-X	73.5	58.5 - 88.5	84.5	69.5 - 99.5	90.8	75.8 - 105.8
		WBC/BA-Y	135.6	126.6 - 144.6	137.3	128.3 - 146.3	142.6	133.6 - 151.6
GRAN-Y (W)		24.6	9.6 - 39.6	24.2	12.2 - 36.2	24.3	12.3 - 36.3	

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: 2008-08-31		Quality Control Data Due Date #1: 30-Jul-08				Quality Control Data Due Date #2: 06-Sep-08					
Lot Number:		81680600		81680601		81680602					
Control:		Low Abnormal		Normal		High Abnormal					
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE			
C	RBC (10 ¹² /L)	2.29	2.15	- 2.43	4.27	4.01	- 4.52	5.25	4.93	- 5.56	
	HGB (g/dL)	6.0	5.7	- 6.4	12.7	12.0	- 13.4	16.9	16.0	- 17.8	
	HCT (%)	17.1	15.9	- 18.3	34.9	32.5	- 37.3	45.6	42.4	- 48.8	
	MCV (fL)	74.7	65.5	- 85.0	81.8	71.8	- 93.1	86.9	76.2	- 98.9	
	MCH (pg)	26.4	23.4	- 29.8	29.7	26.5	- 33.4	32.2	28.7	- 36.2	
	L	MCHC (g/dL)	35.4	31.1	- 40.3	36.4	32.1	- 41.2	37.1	32.8	- 42.1
		RDW-SD (fL)	23.3	20.5	- 26.1	24.4	22.0	- 26.8	27.8	25.0	- 30.6
		RDW-CV (%)	10.2	8.9	- 11.4	9.3	8.4	- 10.2	9.5	8.5	- 10.4
		PLT (10 ⁹ /L)	51	36	- 67	200	170	- 230	477	415	- 539
	O	PDW (fL)	7.8	5.8	- 9.7	8.2	6.9	- 9.4	8.4	7.6	- 9.3
		MPV (fL)	9.3	7.9	- 10.7	9.6	8.8	- 10.3	9.7	9.0	- 10.5
		WBC (10 ⁹ /L)	2.48	2.18	- 2.78	7.00	6.30	- 7.70	16.88	15.36	- 18.40
		NEUT# (10 ⁹ /L)	1.07	0.86	- 1.28	3.73	3.28	- 4.18	9.65	8.49	- 10.81
		LYMPH# (10 ⁹ /L)	1.14	0.80	- 1.48	2.22	1.78	- 2.66	4.02	3.14	- 4.90
		MONO# (10 ⁹ /L)	0.18	0.12	- 0.24	0.62	0.50	- 0.74	1.61	1.29	- 1.93
		EO# (10 ⁹ /L)	0.09	0.04	- 0.14	0.43	0.30	- 0.56	1.60	1.28	- 1.92
BASO# (10 ⁹ /L)		2.48	2.18	- 2.78	7.00	6.30	- 7.70	16.88	15.36	- 18.40	
S	NEUT%	43.3	34.6	- 52.0	53.3	46.9	- 59.7	57.2	50.3	- 64.1	
	LYMPH%	45.8	32.1	- 59.5	31.7	25.3	- 38.0	23.8	18.6	- 29.0	
	MONO%	7.2	4.7	- 9.7	8.9	7.1	- 10.7	9.6	7.6	- 11.5	
	EO%	3.7	1.5	- 5.9	6.2	4.3	- 8.0	9.5	7.6	- 11.4	
	BASO%	100.0	NA	- NA	100.0	NA	- NA	100.0	NA	- NA	
	GRAN-X	200.1	191.1	- 209.1	197.6	188.6	- 206.6	198.0	189.0	- 207.0	
E	GRAN-Y	176.0	164.0	- 188.0	174.1	162.1	- 186.1	177.2	165.2	- 189.2	
	D	WBC/BA-X	73.5	58.5	- 88.5	84.5	69.5	- 99.5	90.8	75.8	- 105.8
		WBC/BA-Y	135.6	126.6	- 144.6	137.3	128.3	- 146.3	142.6	133.6	- 151.6
	GRAN-Y (W)	24.6	9.6	- 39.6	24.2	12.2	- 36.2	24.3	12.3	- 36.3	

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