

# Sysmex

## SF-CHECK™

### HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS

### OPEN MODE ASSAY

Expiration Date: 2008-10-19		Quality Control Data Due Date #1: 17-Sep-08			Quality Control Data Due Date #2: 25-Oct-08			
Lot Number:		82170600		82170601		82170602		
Control:		Low Abnormal		Normal		High Abnormal		
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>O</b>	RBC (10 <sup>12</sup> /L)	2.31	2.17 - 2.45	4.28	4.07 - 4.49	5.30	5.04 - 5.57	
	HGB (g/dL)	6.1	5.8 - 6.4	12.6	12.0 - 13.2	17.0	16.2 - 17.8	
	HCT (%)	17.1	16.0 - 18.2	34.8	32.7 - 36.9	46.2	43.4 - 49.0	
	MCV (fL)	74.0	65.3 - 83.9	81.3	72.8 - 90.7	87.2	78.0 - 97.3	
	MCH (pg)	26.4	23.7 - 29.5	29.4	26.8 - 32.4	32.1	29.2 - 35.3	
	MCHC (g/dL)	35.7	31.9 - 40.1	36.2	32.6 - 40.3	36.8	33.1 - 40.9	
	RDW-SD (fL)	24.6	21.7 - 27.6	25.3	22.8 - 27.9	28.1	25.3 - 30.9	
	RDW-CV (%)	10.8	9.5 - 12.1	9.7	8.6 - 10.7	9.6	8.6 - 10.5	
	<b>P</b>	PLT (10 <sup>9</sup> /L)	54	38 - 71	225	180 - 270	515	448 - 582
		PDW (fL)	7.7	5.8 - 9.7	7.8	6.6 - 8.9	8.1	7.1 - 9.1
MPV (fL)		8.9	7.6 - 10.3	9.3	8.4 - 10.2	9.4	8.5 - 10.3	
WBC (10 <sup>9</sup> /L)		2.50	2.25 - 2.75	7.24	6.66 - 7.82	16.74	15.66 - 17.83	
NEUT# (10 <sup>9</sup> /L)		1.24	0.99 - 1.49	3.69	3.32 - 4.06	9.42	8.48 - 10.36	
LYMPH# (10 <sup>9</sup> /L)		0.97	0.68 - 1.26	2.50	2.00 - 3.00	4.17	3.13 - 5.21	
MONO# (10 <sup>9</sup> /L)		0.21	0.15 - 0.27	0.61	0.49 - 0.73	1.55	1.24 - 1.86	
EO# (10 <sup>9</sup> /L)		0.08	0.03 - 0.13	0.44	0.31 - 0.57	1.60	1.12 - 2.08	
<b>E</b>		BASO# (10 <sup>9</sup> /L)	2.50	2.25 - 2.75	7.24	6.66 - 7.82	16.74	15.65 - 17.83
		NEUT%	49.6	39.7 - 59.5	50.9	45.8 - 56.0	56.3	50.7 - 61.9
	LYMPH%	38.9	27.2 - 50.5	34.5	27.6 - 41.4	24.9	18.7 - 31.1	
	MONO%	8.3	5.8 - 10.7	8.5	6.8 - 10.2	9.3	7.4 - 11.1	
	EO%	3.3	1.3 - 5.2	6.1	4.3 - 7.9	9.5	6.7 - 12.4	
	BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA	
	GRAN-X	197.6	188.6 - 206.6	198.6	189.6 - 207.6	199.9	190.9 - 208.9	
	GRAN-Y	178.2	166.2 - 190.2	178.1	166.1 - 190.1	177.8	165.8 - 189.8	
	<b>N</b>	WBC/BA-X	74.9	59.9 - 89.9	78.7	63.7 - 93.7	81.8	66.8 - 96.8
		WBC/BA-Y	137.1	128.1 - 146.1	137.8	128.8 - 146.8	139.8	130.8 - 148.8
GRAN-Y (W)		23.4	8.4 - 38.4	23.8	11.8 - 35.8	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: 2008-10-19		Quality Control Data Due Date #1: 17-Sep-08			Quality Control Data Due Date #2: 25-Oct-08					
Lot Number:		82170600		82170601		82170602				
Control:		Low Abnormal		Normal		High Abnormal				
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		
<b>C L O S E D</b>	RBC (10 <sup>12</sup> /L)	2.31	2.17	- 2.45	4.24	3.98	- 4.49	5.25	4.93	- 5.56
	HGB (g/dL)	6.1	5.7	- 6.5	12.5	11.8	- 13.2	17.0	16.1	- 17.9
	HCT (%)	17.1	15.9	- 18.3	34.4	32.0	- 36.8	45.8	42.6	- 49.0
	MCV (fL)	74.0	64.9	- 84.3	81.2	71.2	- 92.4	87.3	76.6	- 99.4
	MCH (pg)	26.4	23.4	- 29.8	29.4	26.2	- 33.0	32.4	28.9	- 36.3
	MCHC (g/dL)	35.7	31.4	- 40.7	36.3	32.0	- 41.1	37.1	32.8	- 42.1
	RDW-SD (fL)	24.6	21.7	- 27.6	25.3	22.8	- 27.9	28.1	25.3	- 30.9
	RDW-CV (%)	10.8	9.5	- 12.1	9.7	8.7	- 10.6	9.6	8.6	- 10.5
	PLT (10 <sup>9</sup> /L)	53	37	- 69	214	182	- 246	484	421	- 547
	PDW (fL)	7.7	5.8	- 9.7	7.8	6.6	- 8.9	8.1	7.3	- 8.9
	MPV (fL)	8.9	7.6	- 10.3	9.3	8.5	- 10.0	9.4	8.7	- 10.2
	WBC (10 <sup>9</sup> /L)	2.50	2.20	- 2.80	7.24	6.52	- 7.97	16.74	15.24	- 18.25
	NEUT# (10 <sup>9</sup> /L)	1.24	0.99	- 1.49	3.69	3.25	- 4.13	9.42	8.29	- 10.55
	LYMPH# (10 <sup>9</sup> /L)	0.97	0.68	- 1.26	2.50	2.00	- 3.00	4.17	3.25	- 5.09
	MONO# (10 <sup>9</sup> /L)	0.21	0.14	- 0.28	0.61	0.49	- 0.73	1.55	1.24	- 1.86
	EO# (10 <sup>9</sup> /L)	0.08	0.03	- 0.13	0.44	0.31	- 0.57	1.60	1.28	- 1.92
	BASO# (10 <sup>9</sup> /L)	2.50	2.20	- 2.80	7.24	6.52	- 7.96	16.74	15.23	- 18.25
	NEUT%	49.5	39.6	- 59.4	50.9	44.8	- 57.0	56.3	49.5	- 63.1
	LYMPH%	38.9	27.2	- 50.5	34.5	27.6	- 41.4	24.9	19.4	- 30.4
	MONO%	8.3	5.4	- 11.2	8.5	6.8	- 10.2	9.3	7.4	- 11.1
EO%	3.3	1.3	- 5.3	6.1	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	197.6	188.6	- 206.6	198.6	189.6	- 207.6	199.9	190.9	- 208.9	
GRAN-Y	178.2	166.2	- 190.2	178.1	166.1	- 190.1	177.8	165.8	- 189.8	
WBC/BA-X	74.9	59.9	- 89.9	78.7	63.7	- 93.7	81.8	66.8	- 96.8	
WBC/BA-Y	137.1	128.1	- 146.1	137.8	128.8	- 146.8	139.8	130.8	- 148.8	
GRAN-Y (W)	23.4	8.4	- 38.4	23.8	11.8	- 35.8	23.0	11.0	- 35.0	

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