



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

Expiration Date: 2010-03-29		Quality Control Data Due Date #1: N/A			Quality Control Data Due Date #2: N/A				
Lot Number:		00060801		00060802		00060803			
Control:		Low Abnormal		Normal		High Abnormal			
<b>PARAMETERS</b>	<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>	
<b>O P E N</b>	RBC (10 <sup>12</sup> /L)	2.21	2.08 - 2.34	4.23	4.02 - 4.44	5.20	4.94 - 5.46		
	HGB (g/dL)	5.6	5.3 - 5.9	12.3	11.7 - 12.9	15.9	15.2 - 16.6		
	HCT (%)	16.0	15.0 - 17.0	33.5	31.5 - 35.5	42.7	40.1 - 45.3		
	MCV (fL)	72.4	63.9 - 82.0	79.2	70.9 - 88.4	82.1	73.5 - 91.6		
	MCH (pg)	25.3	22.7 - 28.3	29.1	26.4 - 32.0	30.6	27.8 - 33.6		
	MCHC (g/dL)	35.0	31.2 - 39.3	36.7	33.1 - 40.8	37.2	33.5 - 41.4		
	RDW-SD (fL)	26.0	22.9 - 29.1	28.0	25.2 - 30.8	28.8	25.9 - 31.7		
	RDW-CV (%)	12.0	10.6 - 13.4	11.0	9.8 - 12.2	10.8	9.7 - 11.9		
	PLT (10 <sup>9</sup> /L)	55	39 - 72	213	170 - 256	485	422 - 548		
	PDW (fL)	8.9	6.7 - 11.1	8.7	7.4 - 10.0	8.8	7.7 - 9.9		
	MPV (fL)	9.3	7.9 - 10.7	9.7	8.7 - 10.7	9.9	8.9 - 10.9		
	WBC (10 <sup>9</sup> /L)	2.94	2.65 - 3.23	6.88	6.33 - 7.43	16.71	15.62 - 17.80		
	NEUT# (10 <sup>9</sup> /L)	1.57	1.26 - 1.88	4.03	3.63 - 4.43	10.70	9.63 - 11.77		
	LYMPH# (10 <sup>9</sup> /L)	1.08	0.76 - 1.40	2.08	1.66 - 2.50	4.01	3.01 - 5.01		
	MONO# (10 <sup>9</sup> /L)	0.25	0.18 - 0.33	0.67	0.54 - 0.80	1.77	1.42 - 2.12		
	EO# (10 <sup>9</sup> /L)	0.04	0.02 - 0.06	0.10	0.07 - 0.13	0.23	0.16 - 0.30		
	BASO# (10 <sup>9</sup> /L)	2.94	2.65 - 3.23	6.88	6.33 - 7.43	16.71	15.62 - 17.80		
	NEUT%	53.4	42.7 - 64.1	58.6	52.7 - 64.5	64.0	57.6 - 70.4		
	LYMPH%	36.7	25.7 - 47.7	30.3	24.2 - 36.4	24.0	18.0 - 30.0		
	MONO%	8.5	6.0 - 11.1	9.7	7.8 - 11.6	10.6	8.5 - 12.7		
EO%	1.4	0.6 - 2.2	1.4	1.0 - 1.8	1.4	1.0 - 1.8			
BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA			
GRAN-X	191.0	182.0 - 200.0	186.9	177.9 - 195.9	188.3	179.3 - 197.3			
GRAN-Y	176.3	164.3 - 188.3	172.8	160.8 - 184.8	172.2	160.2 - 184.2			
WBC/BA-X	69.0	54.0 - 84.0	69.9	54.9 - 84.9	73.4	58.4 - 88.4			
WBC/BA-Y	131.2	122.2 - 140.2	132.5	123.5 - 141.5	134.9	125.9 - 143.9			
GRAN-Y (W)	27.4	12.4 - 42.4	24.3	12.3 - 36.3	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.



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

Expiration Date: 2010-03-29		Quality Control Data Due Date #1: N/A			Quality Control Data Due Date #2: N/A		
Lot Number:		00060801		00060802		00060803	
Control:		Low Abnormal		Normal		High Abnormal	
<b>C L O S E D</b>	<b>PARAMETERS</b>	<b>MEAN</b>	<b>EXPECTED RANGE</b>	<b>MEAN</b>	<b>EXPECTED RANGE</b>	<b>MEAN</b>	<b>EXPECTED RANGE</b>
	RBC (10 <sup>12</sup> /L)	2.21	2.08 - 2.34	4.19	3.94 - 4.44	5.15	4.84 - 5.46
	HGB (g/dL)	5.6	5.3 - 5.9	12.2	11.5 - 12.8	15.9	15.0 - 16.8
	HCT (%)	16.0	14.9 - 17.1	33.2	30.9 - 35.5	42.3	39.3 - 45.3
	MCV (fL)	72.4	63.5 - 82.4	79.3	69.6 - 90.2	82.2	72.1 - 93.5
	MCH (pg)	25.3	22.5 - 28.6	29.1	25.9 - 32.6	30.9	27.5 - 34.7
	MCHC (g/dL)	35.0	30.7 - 39.9	36.7	32.4 - 41.6	37.6	33.2 - 42.6
	RDW-SD (fL)	26.0	22.9 - 29.1	28.0	25.2 - 30.8	28.8	25.9 - 31.7
	RDW-CV (%)	12.0	10.6 - 13.4	11.0	9.9 - 12.1	10.8	9.7 - 11.9
	PLT (10 <sup>9</sup> /L)	54	38 - 70	202	172 - 233	456	397 - 515
	PDW (fL)	8.9	6.7 - 11.1	8.7	7.4 - 10.0	8.8	7.9 - 9.7
	MPV (fL)	9.3	7.9 - 10.7	9.7	8.9 - 10.5	9.9	9.1 - 10.7
	WBC (10 <sup>9</sup> /L)	2.94	2.59 - 3.29	6.88	6.19 - 7.57	16.71	15.21 - 18.21
	NEUT# (10 <sup>9</sup> /L)	1.57	1.26 - 1.88	4.03	3.55 - 4.51	10.70	9.42 - 11.98
	LYMPH# (10 <sup>9</sup> /L)	1.08	0.76 - 1.40	2.08	1.66 - 2.50	4.01	3.13 - 4.89
	MONO# (10 <sup>9</sup> /L)	0.25	0.16 - 0.34	0.67	0.54 - 0.80	1.77	1.42 - 2.12
	EO# (10 <sup>9</sup> /L)	0.04	0.02 - 0.06	0.10	0.07 - 0.13	0.23	0.18 - 0.28
	BASO# (10 <sup>9</sup> /L)	2.94	2.59 - 3.29	6.88	6.19 - 7.57	16.71	15.21 - 18.21
	NEUT%	53.4	42.7 - 64.1	58.6	51.6 - 65.6	64.0	56.3 - 71.7
	LYMPH%	36.7	25.7 - 47.7	30.3	24.2 - 36.4	24.0	18.7 - 29.3
	MONO%	8.5	5.5 - 11.5	9.7	7.8 - 11.6	10.6	8.5 - 12.7
	EO%	1.4	0.6 - 2.3	1.4	1.0 - 1.8	1.4	1.1 - 1.7
	BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA
	GRAN-X	191.0	182.0 - 200.0	186.9	177.9 - 195.9	188.3	179.3 - 197.3
	GRAN-Y	176.3	164.3 - 188.3	172.8	160.8 - 184.8	172.2	160.2 - 184.2
	WBC/BA-X	69.0	54.0 - 84.0	69.9	54.9 - 84.9	73.4	58.4 - 88.4
	WBC/BA-Y	131.2	122.2 - 140.2	132.5	123.5 - 141.5	134.9	125.9 - 143.9
	GRAN-Y (W)	27.4	12.4 - 42.4	24.3	12.3 - 36.3	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.