e -CHECK™

HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS

OPEN MODE ASSAY

Expiration Date: 2012-01-30	**Quality Control Data Due Date #1: N/A**	**Quality Control Data Due Date #2: N/A**

Lot Number:	**13120801**	**13120802**	**13120803**
Control:	**Low Abnormal**	**Normal**	**High Abnormal**

PARAMETERS		**MEAN**	**EXPECTED RANGE**			**MEAN**	**EXPECTED RANGE**			**MEAN**	**EXPECTED RANGE**		
	RBC (10^{12}/L)	2.21	2.08	-	2.34	4.24	4.03	-	4.45	5.03	4.78	-	5.28
	HGB (g/dL)	5.8	5.5	-	6.1	12.4	11.8	-	13.0	15.8	15.1	-	16.5
	HCT (%)	16.0	15.0	-	17.0	33.4	31.4	-	35.4	41.7	39.2	-	44.2
	MCV (fL)	72.4	63.9	-	82.0	78.8	70.5	-	87.9	82.9	74.2	-	92.5
	MCH (pg)	26.2	23.5	-	29.3	29.2	26.6	-	32.2	31.4	28.6	-	34.6
	MCHC (g/dL)	36.3	32.3	-	40.7	37.1	33.4	-	41.3	37.9	34.1	-	42.1
O	RDW-SD (fL)	24.7	21.7	-	27.7	25.4	22.9	-	27.9	26.7	24.0	-	29.4
	RDW-CV (%)	11.4	10.0	-	12.8	10.2	9.1	-	11.3	9.9	8.9	-	10.9
	PLT (10^9/L)	54	38	-	70	220	176	-	264	499	434	-	564
	PDW (fL)	10.0	7.5	-	12.5	9.8	8.3	-	11.3	10.0	8.8	-	11.2
	MPV (fL)	9.5	8.1	-	10.9	9.7	8.7	-	10.7	9.8	8.8	-	10.8
P	WBC (10^9/L)	3.00	2.70	-	3.30	7.09	6.52	-	7.66	17.33	16.20	-	18.46
	NEUT# (10^9/L)	1.71	1.37	-	2.05	4.29	3.86	-	4.72	10.60	9.54	-	11.66
	LYMPH# (10^9/L)	0.98	0.69	-	1.27	2.02	1.62	-	2.42	4.80	3.60	-	6.00
	MONO# (10^9/L)	0.27	0.19	-	0.35	0.69	0.55	-	0.83	1.72	1.38	-	2.06
E	EO# (10^9/L)	0.04	0.02	-	0.06	0.09	0.06	-	0.12	0.21	0.15	-	0.27
	BASO# (10^9/L)	3.00	2.70	-	3.30	7.09	6.52	-	7.66	17.33	16.20	-	18.46
	NEUT%	56.7	45.4	-	68.0	60.6	54.5	-	66.7	61.2	55.1	-	67.3
	LYMPH%	32.8	23.0	-	42.6	28.5	22.8	-	34.2	27.7	20.8	-	34.6
	MONO%	9.1	6.4	-	11.8	9.7	7.8	-	11.6	9.9	7.9	-	11.9
N	EO%	1.4	0.6	-	2.2	1.2	0.8	-	1.6	1.2	0.8	-	1.6
	BASO%	100.0	NA	-	NA	100.0	NA	-	NA	100.0	NA	-	NA
	GRAN-X	195.3	186.3	-	204.3	192.6	183.6	-	201.6	193.4	184.4	-	202.4
	GRAN-Y	176.9	164.9	-	188.9	172.1	160.1	-	184.1	173.6	161.6	-	185.6
	WBC/BA-X	92.3	77.3	-	107.3	96.4	81.4	-	111.4	96.5	81.5	-	111.5
	WBC/BA-Y	137.8	128.8	-	146.8	139.2	130.2	-	148.2	140.8	131.8	-	149.8
	GRAN-Y (W)	28.4	13.4	-	43.4	24.7	12.7	-	36.7	26.4	14.4	-	38.4

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 infomation on establishing Q.C. file limits.

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HEMATOLOGY CONTROL FOR SYSMEX SF-3000 ANALYZERS

CLOSED MODE ASSAY

Expiration Date: 2012-01-30	Quality Control Data Due Date #1: N/A	Quality Control Data Due Date #2: N/A

Lot Number:	13120801	13120802	13120803
Control:	Low Abnormal	Normal	High Abnormal

	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
C	RBC (10^{12}/L)	2.21	2.08 - 2.34	4.20	3.95 - 4.45	4.98	4.68 - 5.28
	HGB (g/dL)	5.8	5.5 - 6.1	12.3	11.6 - 13.0	15.8	14.9 - 16.7
	HCT (%)	16.0	14.9 - 17.1	33.1	30.8 - 35.4	41.3	38.4 - 44.2
	MCV (fL)	72.4	63.5 - 82.4	78.9	69.2 - 89.8	82.9	72.8 - 94.4
	MCH (pg)	26.2	23.3 - 29.6	29.2	26.1 - 32.8	31.7	28.3 - 35.6
	MCHC (g/dL)	36.3	31.8 - 41.3	37.1	32.8 - 42.1	38.3	33.8 - 43.4
	RDW-SD (fL)	24.7	21.7 - 27.7	25.4	22.9 - 27.9	26.7	24.0 - 29.4
	RDW-CV (%)	11.4	10.0 - 12.8	10.2	9.2 - 11.2	9.9	8.9 - 10.9
L	PLT (10^9/L)	53	37 - 69	209	178 - 240	469	408 - 530
	PDW (fL)	10.0	7.5 - 12.5	9.8	8.3 - 11.3	10.0	9.0 - 11.0
	MPV (fL)	9.5	8.1 - 10.9	9.7	8.9 - 10.5	9.8	9.0 - 10.6
O	WBC (10^9/L)	3.00	2.64 - 3.36	7.09	6.38 - 7.80	17.33	15.77 - 18.89
	NEUT# (10^9/L)	1.71	1.37 - 2.05	4.29	3.78 - 4.80	10.60	9.33 - 11.87
	LYMPH# (10^9/L)	0.98	0.69 - 1.27	2.02	1.62 - 2.42	4.80	3.74 - 5.86
S	MONO# (10^9/L)	0.27	0.18 - 0.36	0.69	0.55 - 0.83	1.72	1.38 - 2.06
	EO# (10^9/L)	0.04	0.02 - 0.06	0.09	0.06 - 0.12	0.21	0.17 - 0.25
	BASO# (10^9/L)	3.00	2.64 - 3.36	7.09	6.38 - 7.80	17.33	15.77 - 18.89
E	NEUT%	56.7	45.4 - 68.0	60.6	53.3 - 67.9	61.2	53.9 - 68.5
	LYMPH%	32.8	23.0 - 42.6	28.5	22.8 - 34.2	27.7	21.6 - 33.8
	MONO%	9.1	5.9 - 12.3	9.7	7.8 - 11.6	9.9	7.9 - 11.9
D	EO%	1.4	0.6 - 2.3	1.2	0.8 - 1.6	1.2	1.0 - 1.4
	BASO%	100.0	NA - NA	100.0	NA - NA	100.0	NA - NA
	GRAN-X	195.3	186.3 - 204.3	192.6	183.6 - 201.6	193.4	184.4 - 202.4
	GRAN-Y	176.9	164.9 - 188.9	172.1	160.1 - 184.1	173.6	161.6 - 185.6
	WBC/BA-X	92.3	77.3 - 107.3	96.4	81.4 - 111.4	96.5	81.5 - 111.5
	WBC/BA-Y	137.8	128.8 - 146.8	139.2	130.2 - 148.2	140.8	131.8 - 149.8
	GRAN-Y (W)	28.4	13.4 - 43.4	24.7	12.7 - 36.7	26.4	14.4 - 38.4

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 infomation on establishing Q.C. file limits.

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