



# SE-CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX SE-SERIES ANALYZERS

### OPEN MODE ASSAY

Expiration Date: 2008-11-23		Quality Control Data Due Date #1: 23-Oct-08			Quality Control Data Due Date #2: 23-Nov-08		
Lot Number:		82520510		82520511		82520512	
Control:		Low Abnormal		Normal		High Abnormal	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>O P E N</b>	WBC (10 <sup>9</sup> /L)	3.17	2.76 - 3.59	7.59	6.84 - 8.34	16.61	14.96 - 18.26
	RBC (10 <sup>12</sup> /L)	2.39	2.26 - 2.52	4.35	4.22 - 4.48	5.24	5.08 - 5.40
	HGB (g/dL)	6.3	6.0 - 6.6	13.2	12.9 - 13.6	17.0	16.3 - 17.6
	HCT (%)	19.0	17.7 - 20.3	38.5	36.4 - 40.7	48.4	45.8 - 51.0
	MCV (fL)	79.6	70.3 - 89.9	88.5	81.1 - 96.4	92.3	84.7 - 100.3
	MCH (pg)	26.5	24.0 - 29.4	30.4	28.7 - 32.2	32.4	30.2 - 34.6
	MCHC (g/dL)	33.4	29.7 - 37.5	34.3	31.6 - 37.3	35.1	32.0 - 38.4
	RDW-SD (fL)	45.3	42.7 - 48.0	42.9	39.8 - 45.9	43.8	40.5 - 47.1
	RDW-CV (%)	15.7	15.2 - 16.1	13.6	12.9 - 14.4	13.4	12.6 - 14.2
	PLT (10 <sup>9</sup> /L)	53	43 - 63	217	203 - 231	514	485 - 542
	MPV (fL)	9.2	8.4 - 9.9	9.5	8.8 - 10.2	9.6	9.0 - 10.2
	NEUT# (10 <sup>9</sup> /L)	2.29	1.89 - 2.68	5.49	4.55 - 6.43	11.95	10.35 - 13.56
	LYMPH# (10 <sup>9</sup> /L)	0.67	0.53 - 0.82	1.61	1.17 - 2.06	3.72	2.67 - 4.76
	MONO# (10 <sup>9</sup> /L)	0.21	0.08 - 0.34	0.49	0.15 - 0.82	0.94	0.41 - 1.47
	EO# (10 <sup>9</sup> /L)	2.47	2.04 - 2.90	5.76	4.98 - 6.54	12.15	10.05 - 14.26
	BASO# (10 <sup>9</sup> /L)	3.20	2.64 - 3.75	7.20	6.31 - 8.08	14.61	12.70 - 16.52
	NEUT%	72.1	65.6 - 78.5	72.3	65.0 - 79.7	72.0	65.8 - 78.1
LYMPH%	21.2	16.1 - 26.4	21.2	15.8 - 26.7	22.4	15.9 - 28.9	
MONO%	6.7	2.8 - 10.6	6.4	1.9 - 10.9	5.7	2.1 - 9.2	
EO%	77.8	61.3 - 94.3	75.9	62.4 - 89.5	73.2	60.8 - 85.6	
BASO%	100.7	80.5 - 120.9	94.8	79.8 - 109.9	88.0	74.9 - 101.0	

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.



# SE-CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX SE-SERIES ANALYZERS CLOSED MODE ASSAY

Expiration Date: 2008-11-23	Quality Control Data Due Date #1: 23-Oct-08	Quality Control Data Due Date #2: 23-Nov-08
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Lot Number:	82520510	82520511	82520512
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Control:	Low Abnormal	Normal	High Abnormal
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PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>C L O S E D</b>	WBC (10 <sup>9</sup> /L)	3.05	2.70 - 3.39	7.29	6.57 - 8.00	15.53	13.99 - 17.07
	RBC (10 <sup>12</sup> /L)	2.38	2.29 - 2.47	4.39	4.22 - 4.56	5.19	4.99 - 5.39
	HGB (g/dL)	6.3	6.1 - 6.6	13.3	12.7 - 13.8	16.9	16.2 - 17.6
	HCT (%)	18.9	17.8 - 20.0	38.9	36.5 - 41.3	47.9	45.0 - 50.8
	MCV (fL)	79.6	72.2 - 87.5	88.5	80.0 - 97.7	92.3	83.4 - 101.8
	MCH (pg)	26.7	24.7 - 28.8	30.2	27.9 - 32.7	32.5	30.0 - 35.3
	MCHC (g/dL)	33.5	30.5 - 37.0	34.1	30.9 - 37.8	35.2	31.8 - 39.1
	RDW-SD (fL)	45.3	42.9 - 47.7	42.9	40.6 - 45.2	43.8	41.1 - 46.6
	RDW-CV (%)	15.7	15.0 - 16.3	13.6	13.1 - 14.2	13.4	12.8 - 14.1
	PLT (10 <sup>9</sup> /L)	51	43 - 58	210	187 - 234	483	430 - 536
	MPV (fL)	9.2	8.6 - 9.7	9.5	9.0 - 10.0	9.6	9.0 - 10.1
	NEUT# (10 <sup>9</sup> /L)	2.20	1.86 - 2.54	5.28	4.40 - 6.16	11.19	9.34 - 13.04
	LYMPH# (10 <sup>9</sup> /L)	0.65	0.52 - 0.78	1.55	1.13 - 1.97	3.47	2.54 - 4.41
	MONO# (10 <sup>9</sup> /L)	0.20	0.06 - 0.34	0.46	0.13 - 0.78	0.86	0.20 - 1.52
	EO# (10 <sup>9</sup> /L)	2.37	1.89 - 2.86	5.53	4.43 - 6.64	11.36	9.02 - 13.70
	BASO# (10 <sup>9</sup> /L)	3.10	2.42 - 3.78	7.05	5.46 - 8.63	14.07	10.45 - 17.69
	NEUT%	72.2	65.1 - 79.3	72.5	63.4 - 81.5	72.1	65.6 - 78.5
	LYMPH%	21.2	17.1 - 25.4	21.2	15.2 - 27.3	22.4	16.3 - 28.4
MONO%	6.6	2.2 - 10.9	6.3	2.5 - 10.0	5.5	2.0 - 9.1	
EO%	77.8	61.2 - 94.4	75.9	60.9 - 90.9	73.2	57.7 - 88.6	
BASO%	101.7	76.8 - 126.6	96.7	74.6 - 118.8	90.6	63.9 - 117.3	

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.

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