



HEMATOLOGY CONTROL FOR SYSMEX XS SERIES ANALYZERS

Expiration Date:	2010-10-11	Quality Control Data Due Date #1: 30-Aug-10			Quality Control Data Due Date #2: 11-Oct-10				
Lot Number:	02020810	02020811			02020812				
Control:	L1:Level 1		L2:Level 2		L3:Level 3				
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.26	2.17	- 2.35	4.34	4.21	- 4.47	5.24	5.08	- 5.40
HGB (g/dL)	5.7	5.5	- 5.9	12.2	11.8	- 12.6	16.2	15.7	- 16.7
HCT (%)	17.4	16.5	- 18.3	35.9	34.3	- 37.5	47.0	44.9	- 49.1
MCV (fL)	76.8	70.3	- 84.2	82.8	76.7	- 89.1	89.7	83.2	- 96.6
MCH (pg)	25.2	23.3	- 27.3	28.1	26.5	- 29.8	30.8	29.1	- 32.8
MCHC (g/dL)	33.1	30.0	- 35.9	34.3	31.5	- 36.7	34.7	32.0	- 37.2
PLT (10 ⁹ /L)	54	32	- 76	214	190	- 238	515	469	- 561
RDW-SD (fL)	46.0	41.4	- 50.6	44.3	39.9	- 48.7	47.2	42.5	- 51.9
RDW-CV (%)	16.9	15.2	- 18.6	15.3	13.8	- 16.8	15.2	13.7	- 16.7
MPV (fL)	9.1	8.4	- 9.8	9.4	8.8	- 10.0	9.7	9.1	- 10.3
WBC-C (10 ⁹ /L)	3.18	2.86	- 3.50	7.38	6.94	- 7.82	19.05	17.91	- 20.19
WBC-D (10 ⁹ /L)	3.10	2.79	- 3.41	7.13	6.70	- 7.56	18.40	17.30	- 19.50
NEUT%	37.9	30.3	- 45.5	41.4	35.2	- 47.6	44.2	37.6	- 50.8
LYMPH%	37.0	22.2	- 51.8	32.3	25.8	- 38.8	27.8	22.2	- 33.4
MONO%	10.3	2.1	- 18.5	10.4	6.2	- 14.6	11.0	7.7	- 14.3
EO%	9.0	6.3	- 11.7	9.8	6.9	- 12.7	10.4	7.8	- 13.0
BASO%	5.7	4.0	- 7.4	6.2	4.3	- 8.1	6.6	5.0	- 8.3
NEUT# (10 ⁹ /L)	1.17	0.94	- 1.40	2.95	2.51	- 3.39	8.14	6.92	- 9.36
LYMPH# (10 ⁹ /L)	1.15	0.69	- 1.61	2.30	1.84	- 2.76	5.11	4.09	- 6.13
MONO# (10 ⁹ /L)	0.32	0.06	- 0.58	0.74	0.30	- 1.18	2.02	1.21	- 2.83
EO# (10 ⁹ /L)	0.28	0.20	- 0.36	0.70	0.49	- 0.91	1.91	1.43	- 2.39
BASO# (10 ⁹ /L)	0.18	0.13	- 0.23	0.44	0.31	- 0.57	1.22	0.92	- 1.53

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 data collection should be inside the Expected Ranges. These Expected Ranges represent estimates of interlaboratory variation and are not included 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.