

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5222

EXP. 2025-09-26

		LOW		NORMAL		HIGH	
Sysmex XN Series	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.80 ± 1.20	2.60 - 5.00	7.90 ± 1.80	6.10 - 9.70	20.70 ± 3.00	17.70 - 23.70
	WBC-D (10 ⁹ /L)	3.60 ± 1.20	2.40 - 4.80	7.45 ± 1.80	5.65 - 9.25	20.50 ± 3.00	17.50 - 23.50
	RBC (10 ¹² /L)	2.19 ± 0.15	2.04 - 2.34	4.65 ± 0.24	4.41 - 4.89	5.75 ± 0.30	5.45 - 6.05
	HGB (g/dL)	5.8 ± 0.4	5.4 - 6.2	13.3 ± 0.6	12.7 - 13.9	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	17.6 ± 2.0	15.6 - 19.6	40.5 ± 2.5	38.0 - 43.0	52.9 ± 3.0	49.9 - 55.9
	MCV (fL)	80.5 ± 5.0	75.5 - 85.5	87.0 ± 5.0	82.0 - 92.0	92.0 ± 5.0	87.0 - 97.0
	MCH (pg)	26.5 ± 2.5	24.0 - 29.0	28.6 ± 2.5	26.1 - 31.1	30.8 ± 2.5	28.3 - 33.3
	MCHC (g/dL)	32.9 ± 3.0	29.9 - 35.9	32.9 ± 3.0	29.9 - 35.9	33.5 ± 3.0	30.5 - 36.5
	RDW-SD (fL)	49.0 ± 10.0	39.0 - 59.0	46.5 ± 10.0	36.5 - 56.5	47.0 ± 10.0	37.0 - 57.0
	RDW-CV (%)	17.0 ± 5.0	12.0 - 22.0	15.0 ± 5.0	10.0 - 20.0	14.5 ± 5.0	9.5 - 19.5
	PLT (10 ⁹ /L)	44 ± 20	24 - 64	210 ± 40	170 - 250	420 ± 65	355 - 485
	MPV (fL)	10.5 ± 3.0	7.5 - 13.5	9.6 ± 3.0	6.6 - 12.6	9.7 ± 3.0	6.7 - 12.7
	NEUT # (10 ⁹ /L)	2.43 ± 0.46	1.97 - 2.89	4.15 ± 0.79	3.36 - 4.94	12.01 ± 2.48	9.53 - 14.49
	LYMPH # (10 ⁹ /L)	0.46 ± 0.38	0.08 - 0.84	2.13 ± 0.79	1.34 - 2.92	3.93 ± 2.07	1.86 - 6.00
	MONO # (10 ⁹ /L)	0.10 ± 0.10	0.00 - 0.20	0.20 ± 0.20	0.00 - 0.40	0.52 ± 0.52	0.00 - 1.04
	EO # (10 ⁹ /L)	0.63 ± 0.27	0.36 - 0.90	1.03 ± 0.55	0.48 - 1.58	3.21 ± 1.45	1.76 - 4.66
	BASO # (10 ⁹ /L)	0.19 ± 0.19	0.00 - 0.38	0.40 ± 0.40	0.00 - 0.80	1.04 ± 1.04	0.00 - 2.08
	NEUT%	64.0 ± 12.0	52.0 - 76.0	52.5 ± 10.0	42.5 - 62.5	58.0 ± 12.0	46.0 - 70.0
	LYMPH%	12.0 ± 10.0	2.0 - 22.0	27.0 ± 10.0	17.0 - 37.0	19.0 ± 10.0	9.0 - 29.0
	MONO%	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0
	EO%	16.5 ± 7.0	9.5 - 23.5	13.0 ± 7.0	6.0 - 20.0	15.5 ± 7.0	8.5 - 22.5
	BASO%	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0
	NRBC# (10 ⁹ /L)	0.40 ± 19.60	0.00 - 20.00	0.40 ± 19.60	0.00 - 20.00	0.40 ± 19.60	0.00 - 20.00
	NRBC% (/100 WBC)	2.0 ± 98.0	0.0 - 100.0	2.0 ± 98.0	0.0 - 100.0	2.0 ± 98.0	0.0 - 100.0
	PLT-O (10 ⁹ /L)	60 ± 38	22 - 98	260 ± 65	195 - 325	510 ± 85	425 - 595
	PCT (%)	0.05 ± 0.03	0.02 - 0.08	0.20 ± 0.07	0.13 - 0.27	0.41 ± 0.11	0.30 - 0.52
	PDW (fL)	11.5 ± 5.0	6.5 - 16.5	10.5 ± 5.0	5.5 - 15.5	11.0 ± 5.0	6.0 - 16.0
	P-LCR (%)	28.0 ± 20.0	8.0 - 48.0	23.0 ± 20.0	3.0 - 43.0	23.5 ± 20.0	3.5 - 43.5
	IPF (%)	20.0 ± 20.0	0.0 - 40.0	20.0 ± 20.0	0.0 - 40.0	20.0 ± 20.0	0.0 - 40.0
	IG # (10 ⁹ /L)	0.61 ± 0.30	0.31 - 0.91	1.03 ± 0.40	0.63 - 1.43	3.11 ± 1.60	1.51 - 4.71
	IG%	16.0 ± 5.0	11.0 - 21.0	13.0 ± 5.0	8.0 - 18.0	15.0 ± 5.0	10.0 - 20.0
	RBC-O (10 ¹² /L)	2.17 ± 0.30	1.87 - 2.47	4.55 ± 0.50	4.05 - 5.05	5.70 ± 0.60	5.10 - 6.30

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5222

EXP. 2025-09-26

		LOW		NORMAL		HIGH	
Sysmex XN-L Series	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC-C (10 ⁹ /L)	3.95 ± 1.20	2.75 - 5.15	8.20 ± 2.00	6.20 - 10.20	21.70 ± 3.20	18.50 - 24.90
	WBC-D (10 ⁹ /L)	3.60 ± 1.20	2.40 - 4.80	7.75 ± 2.00	5.75 - 9.75	21.30 ± 3.20	18.10 - 24.50
	RBC (10 ¹² /L)	2.20 ± 0.15	2.05 - 2.35	4.60 ± 0.24	4.36 - 4.84	5.80 ± 0.30	5.50 - 6.10
	HGB (g/dL)	5.8 ± 0.4	5.4 - 6.2	13.3 ± 0.6	12.7 - 13.9	17.8 ± 0.7	17.1 - 18.5
	HCT (%)	18.0 ± 2.0	16.0 - 20.0	40.3 ± 2.5	37.8 - 42.8	54.2 ± 3.0	51.2 - 57.2
	MCV (fL)	82.0 ± 5.0	77.0 - 87.0	87.5 ± 5.0	82.5 - 92.5	93.5 ± 5.0	88.5 - 98.5
	MCH (pg)	26.4 ± 2.5	23.9 - 28.9	28.9 ± 2.5	26.4 - 31.4	30.7 ± 2.5	28.2 - 33.2
	MCHC (g/dL)	32.2 ± 3.0	29.2 - 35.2	33.0 ± 3.0	30.0 - 36.0	32.8 ± 3.0	29.8 - 35.8
	RDW-SD (fL)	50.5 ± 10.0	40.5 - 60.5	48.0 ± 10.0	38.0 - 58.0	49.0 ± 10.0	39.0 - 59.0
	RDW-CV (%)	17.0 ± 5.0	12.0 - 22.0	15.0 ± 5.0	10.0 - 20.0	14.0 ± 5.0	9.0 - 19.0
	PLT (10 ⁹ /L)	44 ± 20	24 - 64	210 ± 40	170 - 250	430 ± 65	365 - 495
	MPV (fL)	10.4 ± 3.0	7.4 - 13.4	9.7 ± 3.0	6.7 - 12.7	9.8 ± 3.0	6.8 - 12.8
	NEUT # (10 ⁹ /L)	2.14 ± 0.36	1.78 - 2.50	3.80 ± 0.78	3.02 - 4.58	12.25 ± 2.13	10.12 - 14.38
	LYMPH # (10 ⁹ /L)	0.47 ± 0.36	0.11 - 0.83	2.17 ± 0.78	1.39 - 2.95	3.51 ± 2.13	1.38 - 5.64
	MONO # (10 ⁹ /L)	0.09 ± 0.09	0.00 - 0.18	0.19 ± 0.19	0.00 - 0.38	0.53 ± 0.53	0.00 - 1.06
	EO # (10 ⁹ /L)	0.58 ± 0.33	0.25 - 0.91	1.01 ± 0.70	0.31 - 1.71	3.20 ± 1.92	1.28 - 5.12
	BASO # (10 ⁹ /L)	0.32 ± 0.32	0.00 - 0.64	0.58 ± 0.58	0.00 - 1.16	1.81 ± 1.81	0.00 - 3.62
	NEUT%	59.5 ± 10.0	49.5 - 69.5	49.0 ± 10.0	39.0 - 59.0	57.5 ± 10.0	47.5 - 67.5
	LYMPH%	13.0 ± 10.0	3.0 - 23.0	28.0 ± 10.0	18.0 - 38.0	16.5 ± 10.0	6.5 - 26.5
	MONO%	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0
	EO%	16.0 ± 9.0	7.0 - 25.0	13.0 ± 9.0	4.0 - 22.0	15.0 ± 9.0	6.0 - 24.0
	BASO%	9.0 ± 9.0	0.0 - 18.0	7.5 ± 7.5	0.0 - 15.0	8.5 ± 8.5	0.0 - 17.0
	PLT-O (10 ⁹ /L)	60 ± 38	22 - 98	248 ± 65	183 - 313	495 ± 85	410 - 580
	PCT (%)	0.05 ± 0.03	0.02 - 0.08	0.20 ± 0.07	0.13 - 0.27	0.42 ± 0.11	0.31 - 0.53
	PDW (fL)	11.0 ± 5.0	6.0 - 16.0	10.5 ± 5.0	5.5 - 15.5	11.0 ± 5.0	6.0 - 16.0
	P-LCR (%)	29.0 ± 20.0	9.0 - 49.0	22.5 ± 20.0	2.5 - 42.5	23.5 ± 20.0	3.5 - 43.5
	IG # (10 ⁹ /L)	0.58 ± 0.30	0.28 - 0.88	1.01 ± 0.40	0.61 - 1.41	3.30 ± 1.60	1.70 - 4.90
	IG%	16.0 ± 5.0	11.0 - 21.0	13.0 ± 5.0	8.0 - 18.0	15.5 ± 5.0	10.5 - 20.5
	RBC-O (10 ¹² /L)	2.10 ± 0.30	1.80 - 2.40	4.47 ± 0.50	3.97 - 4.97	5.55 ± 0.60	4.95 - 6.15

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5222

EXP. 2025-09-26

		LOW		NORMAL		HIGH	
MINDRAY BC-6800, BC-6600 QC Mode	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.80 ± 0.70	3.10 - 4.50	7.50 ± 1.00	6.50 - 8.50	19.90 ± 2.50	17.40 - 22.40
	Neu # (10 ⁹ /L)	2.66 ± 0.38	2.28 - 3.04	4.65 ± 0.60	4.05 - 5.25	14.23 ± 1.79	12.44 - 16.02
	Lym # (10 ⁹ /L)	0.38 ± 0.30	0.08 - 0.68	1.73 ± 0.53	1.20 - 2.26	2.79 ± 1.40	1.39 - 4.19
	Mon # (10 ⁹ /L)	0.10 ± 0.10	0.00 - 0.20	0.26 ± 0.26	0.00 - 0.52	0.50 ± 0.50	0.00 - 1.00
	Eos # (10 ⁹ /L)	0.61 ± 0.38	0.23 - 0.99	0.75 ± 0.75	0.00 - 1.50	2.09 ± 1.59	0.50 - 3.68
	Bas # (10 ⁹ /L)	0.06 ± 0.20	-0.14 - 0.26	0.11 ± 0.37	-0.26 - 0.48	0.30 ± 1.00	-0.70 - 1.30
	Neu %	70.0 ± 10.0	60.0 - 80.0	62.0 ± 8.0	54.0 - 70.0	71.5 ± 9.0	62.5 - 80.5
	Lym %	10.0 ± 8.0	2.0 - 18.0	23.0 ± 7.0	16.0 - 30.0	14.0 ± 7.0	7.0 - 21.0
	Mon %	2.5 ± 2.5	0.0 - 5.0	3.5 ± 3.5	0.0 - 7.0	2.5 ± 2.5	0.0 - 5.0
	Eos %	16.0 ± 10.0	6.0 - 26.0	10.0 ± 10.0	0.0 - 20.0	10.5 ± 8.0	2.5 - 18.5
	Bas %	1.5 ± 5.0	-3.5 - 6.5	1.5 ± 5.0	-3.5 - 6.5	1.5 ± 5.0	-3.5 - 6.5
	RBC (10 ¹² /L)	2.25 ± 0.18	2.07 - 2.43	4.60 ± 0.24	4.36 - 4.84	5.70 ± 0.30	5.40 - 6.00
	HGB (g/dL)	5.9 ± 0.4	5.5 - 6.3	13.4 ± 0.6	12.8 - 14.0	17.7 ± 0.8	16.9 - 18.5
	HCT (%)	19.2 ± 2.0	17.2 - 21.2	42.8 ± 2.5	40.3 - 45.3	57.0 ± 3.0	54.0 - 60.0
	MCV (fL)	85.5 ± 5.0	80.5 - 90.5	93.0 ± 5.0	88.0 - 98.0	100.0 ± 5.0	95.0 - 105.0
	MCH (pg)	26.2 ± 2.5	23.7 - 28.7	29.1 ± 2.5	26.6 - 31.6	31.1 ± 2.5	28.6 - 33.6
	MCHC (g/dL)	30.7 ± 3.0	27.7 - 33.7	31.3 ± 3.0	28.3 - 34.3	31.1 ± 3.0	28.1 - 34.1
	RDW-CV (%)	16.5 ± 3.0	13.5 - 19.5	15.0 ± 3.0	12.0 - 18.0	14.5 ± 3.0	11.5 - 17.5
	RDW-SD (fL)	51.0 ± 6.0	45.0 - 57.0	50.0 ± 6.0	44.0 - 56.0	50.0 ± 8.0	42.0 - 58.0
	PLT (10 ⁹ /L)	48 ± 20	28 - 68	225 ± 40	185 - 265	450 ± 60	390 - 510
	MPV (fL)	9.4 ± 3.0	6.4 - 12.4	9.7 ± 3.0	6.7 - 12.7	10.2 ± 3.0	7.2 - 13.2
	PDW	17.0 ± 3.0	14.0 - 20.0	16.5 ± 3.0	13.5 - 19.5	17.0 ± 3.0	14.0 - 20.0
	PCT (%)	0.050 ± 0.050	0.000 - 0.100	0.225 ± 0.100	0.125 - 0.325	0.460 ± 0.200	0.260 - 0.660
	P-LCR (%)	26.0 ± 10.0	16.0 - 36.0	24.5 ± 10.0	14.5 - 34.5	27.5 ± 10.0	17.5 - 37.5
	P-LCC (10 ⁹ /L)	13 ± 8	5 - 21	55 ± 24	31 - 79	125 ± 50	75 - 175
	IMG # (10 ⁹ /L)	0.19 ± 0.19	0.00 - 0.38	0.38 ± 0.38	0.00 - 0.76	1.00 ± 1.00	0.00 - 2.00
	IMG%	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0
	IPF (%)	6.0 ± 6.0	0.0 - 12.0	5.5 ± 5.5	0.0 - 11.0	6.0 ± 6.0	0.0 - 12.0
	PLT-O (10 ⁹ /L)	48 ± 20	28 - 68	200 ± 40	160 - 240	395 ± 60	335 - 455

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5222

EXP. 2025-09-26

		LOW		NORMAL		HIGH	
MINDRAY BC-7300 QC Mode	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.75 ± 1.20	2.55 - 4.95	7.60 ± 1.80	5.80 - 9.40	20.20 ± 3.00	17.20 - 23.20
	RBC (10 ¹² /L)	2.20 ± 0.15	2.05 - 2.35	4.59 ± 0.24	4.35 - 4.83	5.73 ± 0.30	5.43 - 6.03
	HGB (g/dL)	5.8 ± 0.4	5.4 - 6.2	13.2 ± 0.6	12.6 - 13.8	17.5 ± 0.7	16.8 - 18.2
	HCT (%)	17.7 ± 2.0	15.7 - 19.7	40.9 ± 2.5	38.4 - 43.4	55.0 ± 3.0	52.0 - 58.0
	MCV (fL)	80.5 ± 5.0	75.5 - 85.5	89.0 ± 5.0	84.0 - 94.0	96.0 ± 5.0	91.0 - 101.0
	MCH (pg)	26.3 ± 2.5	23.8 - 28.8	28.7 ± 2.5	26.2 - 31.2	30.4 ± 2.5	27.9 - 32.9
	MCHC (g/dL)	32.7 ± 3.0	29.7 - 35.7	32.3 ± 3.0	29.3 - 35.3	31.8 ± 3.0	28.8 - 34.8
	RDW-SD (fL)	53.9 ± 10.0	43.9 - 63.9	51.9 ± 10.0	41.9 - 61.9	52.3 ± 10.0	42.3 - 62.3
	RDW-CV (%)	18.5 ± 5.0	13.5 - 23.5	16.3 ± 5.0	11.3 - 21.3	15.3 ± 5.0	10.3 - 20.3
	PLT (10 ⁹ /L)	50 ± 25	25 - 75	227 ± 40	187 - 267	435 ± 65	370 - 500
	MPV (fL)	9.2 ± 3.0	6.2 - 12.2	9.5 ± 3.0	6.5 - 12.5	10.1 ± 3.0	7.1 - 13.1
	NEUT # (10 ⁹ /L)	2.63 ± 0.50	2.13 - 3.13	4.59 ± 1.00	3.59 - 5.59	13.94 ± 2.51	11.43 - 16.45
	LYMPH # (10 ⁹ /L)	0.41 ± 0.37	0.04 - 0.78	1.75 ± 0.79	0.96 - 2.54	3.03 ± 2.10	0.93 - 5.13
	MONO # (10 ⁹ /L)	0.09 ± 0.08	0.01 - 0.17	0.27 ± 0.19	0.08 - 0.46	0.61 ± 0.51	0.10 - 1.12
	EO # (10 ⁹ /L)	0.56 ± 0.29	0.27 - 0.85	0.87 ± 0.56	0.31 - 1.43	2.32 ± 1.47	0.85 - 3.79
	BASO # (10 ⁹ /L)	0.06 ± 0.06	0.00 - 0.12	0.11 ± 0.11	0.00 - 0.22	0.30 ± 0.30	0.00 - 0.60
	NEUT%	70.0 ± 12.0	58.0 - 82.0	60.5 ± 12.0	48.5 - 72.5	69.0 ± 12.0	57.0 - 81.0
	LYMPH%	11.0 ± 9.0	2.0 - 20.0	23.0 ± 10.0	13.0 - 33.0	15.0 ± 10.0	5.0 - 25.0
	MONO%	2.5 ± 2.0	0.5 - 4.5	3.5 ± 2.5	1.0 - 6.0	3.0 ± 2.5	0.5 - 5.5
	EO%	15.0 ± 7.0	8.0 - 22.0	11.5 ± 7.0	4.5 - 18.5	11.5 ± 7.0	4.5 - 18.5
	BASO%	1.5 ± 1.5	0.00 - 3.0	1.5 ± 1.5	0.00 - 3.0	1.5 ± 1.5	0.00 - 3.0

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5222

EXP. 2025-09-26

		LOW		NORMAL		HIGH	
Sysmex XT-4000i (Manual Sampling)	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.76 ± 1.20	2.56 - 4.96	7.78 ± 1.80	5.98 - 9.58	20.15 ± 3.00	17.15 - 23.15
	RBC (10 ¹² /L)	2.25 ± 0.15	2.10 - 2.40	4.63 ± 0.24	4.39 - 4.87	5.73 ± 0.30	5.43 - 6.03
	HGB (g/dL)	5.9 ± 0.4	5.5 - 6.3	13.3 ± 0.6	12.7 - 13.9	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	17.9 ± 2.0	15.9 - 19.9	39.3 ± 2.5	36.8 - 41.8	52.3 ± 3.0	49.3 - 55.3
	MCV (fL)	80.0 ± 5.0	75.0 - 85.0	85.0 ± 5.0	80.0 - 90.0	91.5 ± 5.0	86.5 - 96.5
	MCH (pg)	26.2 ± 2.5	23.7 - 28.7	26.8 ± 2.5	24.3 - 29.3	30.9 ± 2.5	28.4 - 33.4
	MCHC (g/dL)	32.9 ± 3.0	29.9 - 35.9	34.0 ± 3.0	31.0 - 37.0	33.9 ± 3.0	30.9 - 36.9
	RDW-SD (fL)	47.1 ± 10.0	37.1 - 57.1	47.7 ± 10.0	37.7 - 57.7	49.1 ± 10.0	39.1 - 59.1
	RDW-CV (%)	16.8 ± 5.0	11.8 - 21.8	15.9 ± 5.0	10.9 - 20.9	15.6 ± 5.0	10.6 - 20.6
	PLT (10 ⁹ /L)	55 ± 25	30 - 80	210 ± 40	170 - 250	395 ± 65	330 - 460
	MPV (fL)	8.3 ± 3.0	5.3 - 11.3	8.8 ± 3.0	5.8 - 11.8	9.4 ± 3.0	6.4 - 12.4
	NEUT # (10 ⁹ /L)	2.43 ± 0.50	1.93 - 2.93	4.47 ± 1.00	3.47 - 5.47	12.69 ± 2.52	10.17 - 15.21
	LYMPH # (10 ⁹ /L)	0.68 ± 0.37	0.31 - 1.05	1.98 ± 0.79	1.19 - 2.77	4.03 ± 2.10	1.93 - 6.13
	MONO # (10 ⁹ /L)	0.09 ± 0.09	0.00 - 0.18	0.27 ± 0.27	0.00 - 0.54	0.51 ± 0.51	0.00 - 1.02
	EO # (10 ⁹ /L)	0.56 ± 0.29	0.27 - 0.85	1.05 ± 0.56	0.49 - 1.61	2.92 ± 1.47	1.45 - 4.39
	BASO # (10 ⁹ /L)	3.37 ± 0.82	2.55 - 4.19	6.96 ± 2.00	4.96 - 8.96	18.03 ± 4.20	13.83 - 22.23
	NEUT%	64.5 ± 12.0	52.5 - 76.5	57.5 ± 12.0	45.5 - 69.5	63.9 ± 12.0	51.9 - 75.9
	LYMPH%	18.0 ± 9.0	9.0 - 27.0	25.5 ± 10.0	15.5 - 35.5	20.5 ± 10.0	10.5 - 30.5
	MONO%	2.5 ± 2.5	0.0 - 5.0	3.5 ± 2.5	1.0 - 6.0	2.5 ± 2.5	0.0 - 5.0
	EO%	15.0 ± 7.0	8.0 - 22.0	13.5 ± 7.0	6.5 - 20.5	14.5 ± 7.0	7.5 - 22.5
	BASO%	89.5 ± 20.0	69.5 - 109.5	77.5 ± 25.0	52.5 - 102.5	89.5 ± 20.0	69.5 - 109.5

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5222

EXP. 2025-09-26

		LOW		NORMAL		HIGH	
Sysmex XS-1000i (Manual Sampling)	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.65 ± 1.20	2.45 - 4.85	7.60 ± 1.80	5.80 - 9.40	20.35 ± 3.00	17.35 - 23.35
	RBC (10 ¹² /L)	2.21 ± 0.15	2.06 - 2.36	4.60 ± 0.24	4.36 - 4.84	5.69 ± 0.30	5.39 - 5.99
	HGB (g/dL)	5.8 ± 0.4	5.4 - 6.2	13.2 ± 0.6	12.6 - 13.8	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	17.6 ± 2.0	15.6 - 19.6	39.1 ± 2.5	36.6 - 41.6	51.7 ± 3.0	48.7 - 54.7
	MCV (fL)	80.0 ± 5.0	75.0 - 85.0	85.0 ± 5.0	80.0 - 90.0	91.0 ± 5.0	86.0 - 96.0
	MCH (pg)	26.2 ± 2.5	23.7 - 28.7	28.7 ± 2.5	26.2 - 31.2	31.2 ± 2.5	28.7 - 33.7
	MCHC (g/dL)	32.9 ± 3.0	29.9 - 35.9	33.8 ± 3.0	30.8 - 36.8	34.3 ± 3.0	31.3 - 37.3
	RDW-SD (fL)	46.5 ± 10.0	36.5 - 56.5	46.9 ± 10.0	36.9 - 56.9	48.9 ± 10.0	38.9 - 58.9
	RDW-CV (%)	17.0 ± 5.0	12.0 - 22.0	15.7 ± 5.0	10.7 - 20.7	16.1 ± 5.0	11.1 - 21.1
	PLT (10 ⁹ /L)	50 ± 25	25 - 75	210 ± 40	170 - 250	390 ± 65	335 - 455
	MPV (fL)	9.1 ± 3.0	6.1 - 12.1	9.5 ± 3.0	6.5 - 12.5	10.1 ± 3.0	7.1 - 13.1
	NEUT # (10 ⁹ /L)	2.08 ± 0.50	1.58 - 2.58	3.80 ± 1.00	2.80 - 4.80	11.19 ± 2.52	8.67 - 13.71
	LYMPH # (10 ⁹ /L)	0.55 ± 0.37	0.18 - 0.92	1.98 ± 0.79	1.19 - 2.77	3.97 ± 2.10	1.87 - 6.07
	MONO # (10 ⁹ /L)	0.07 ± 0.07	0.00 - 0.14	0.23 ± 0.23	0.00 - 0.46	0.51 ± 0.51	0.00 - 1.02
	EO # (10 ⁹ /L)	0.58 ± 0.29	0.29 - 0.87	0.99 ± 0.56	0.43 - 1.55	2.85 ± 1.47	1.38 - 4.32
	BASO # (10 ⁹ /L)	0.37 ± 0.37	0.00 - 0.74	0.61 ± 0.61	0.00 - 1.22	1.83 ± 1.83	0.00 - 3.66
	NEUT%	57.0 ± 12.0	45.0 - 69.0	50.0 ± 12.0	38.0 - 62.0	55.0 ± 12.0	43.0 - 67.0
	LYMPH%	15.0 ± 9.0	6.0 - 24.0	26.0 ± 10.0	16.0 - 36.0	19.5 ± 10.0	9.5 - 29.5
	MONO%	2.0 ± 2.0	0.0 - 4.0	3.0 ± 3.0	0.0 - 6.0	2.0 ± 2.0	0.0 - 4.0
	EO%	16.0 ± 7.0	9.0 - 23.0	13.0 ± 7.0	6.0 - 20.0	14.0 ± 7.0	7.0 - 21.0
	BASO%	10.0 ± 10.0	0.00 - 20.0	8.0 ± 7.5	0.50 - 15.5	9.0 ± 9.0	0.00 - 18.0