

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5226

EXP. 2025-11-26

		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)	3.95 ± 1.20	2.75 - 5.15	7.80 ± 1.80	6.00 - 9.60	20.60 ± 3.00	17.60 - 23.60
	WBC-D (10 ⁹ /L)	3.70 ± 1.20	2.50 - 4.90	7.85 ± 1.80	6.05 - 9.65	20.60 ± 3.00	17.60 - 23.60
	RBC (10 ¹² /L)	2.20 ± 0.15	2.05 - 2.35	4.60 ± 0.24	4.36 - 4.84	5.72 ± 0.30	5.42 - 6.02
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.2 ± 0.6	12.6 - 13.8	17.6 ± 0.7	16.9 - 18.3
	HCT (%)	17.7 ± 2.0	15.7 - 19.7	39.6 ± 2.5	37.1 - 42.1	52.6 ± 3.0	49.6 - 55.6
	MCV (fL)	80.5 ± 5.0	75.5 - 85.5	86.0 ± 5.0	81.0 - 91.0	92.0 ± 5.0	87.0 - 97.0
	MCH (pg)	27.3 ± 2.5	24.8 - 29.8	28.7 ± 2.5	26.2 - 31.2	30.8 ± 2.5	28.3 - 33.3
	MCHC (g/dL)	33.9 ± 3.0	30.9 - 36.9	33.4 ± 3.0	30.4 - 36.4	33.4 ± 3.0	30.4 - 36.4
	RDW-SD (fL)	48.5 ± 10.0	38.5 - 58.5	48.5 ± 10.0	38.5 - 58.5	49.0 ± 10.0	39.0 - 59.0
	RDW-CV (%)	17.0 ± 5.0	12.0 - 22.0	15.5 ± 5.0	10.5 - 20.5	14.5 ± 5.0	9.5 - 19.5
	PLT (10 ⁹ /L)	40 ± 20	20 - 60	210 ± 40	170 - 250	408 ± 65	343 - 473
	MPV (fL)	10.0 ± 3.0	7.0 - 13.0	9.8 ± 3.0	6.8 - 12.8	9.6 ± 3.0	6.6 - 12.6
	NEUT # (10 ⁹ /L)	2.47 ± 0.47	2.00 - 2.94	4.13 ± 0.78	3.35 - 4.91	11.85 ± 2.47	9.38 - 14.32
	LYMPH # (10 ⁹ /L)	0.53 ± 0.39	0.14 - 0.92	1.99 ± 0.78	1.21 - 2.77	4.22 ± 2.06	2.16 - 6.28
	MONO # (10 ⁹ /L)	0.10 ± 0.10	0.00 - 0.20	0.23 ± 0.23	0.00 - 0.46	0.52 ± 0.52	0.00 - 1.04
	EO # (10 ⁹ /L)	0.65 ± 0.28	0.37 - 0.93	1.09 ± 0.55	0.54 - 1.64	2.99 ± 1.44	1.55 - 4.43
	BASO # (10 ⁹ /L)	0.20 ± 0.20	0.00 - 0.40	0.35 ± 0.35	0.00 - 0.70	1.03 ± 1.03	0.00 - 2.06
	NEUT%	62.5 ± 12.0	50.5 - 74.5	53.0 ± 10.0	43.0 - 63.0	57.5 ± 12.0	45.5 - 69.5
	LYMPH%	13.5 ± 10.0	3.5 - 23.5	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	3.0 ± 3.0	0.0 - 6.0	2.5 ± 2.5	0.0 - 5.0
	EO%	16.5 ± 7.0	9.5 - 23.5	14.0 ± 7.0	7.0 - 21.0	14.5 ± 7.0	7.5 - 21.5
	BASO%	5.0 ± 5.0	0.0 - 10.0	4.5 ± 4.5	0.0 - 9.0	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)	55 ± 38	17 - 93	260 ± 65	195 - 325	515 ± 85	430 - 600
	PCT (%)	0.04 ± 0.03	0.01 - 0.07	0.20 ± 0.07	0.13 - 0.27	0.39 ± 0.11	0.28 - 0.50
	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 (%)	26.0 ± 20.0	6.0 - 46.0	24.0 ± 20.0	4.0 - 44.0	23.0 ± 20.0	3.0 - 43.0
	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)	0.59 ± 0.30	0.29 - 0.89	1.01 ± 0.40	0.61 - 1.41	2.99 ± 1.60	1.39 - 4.59
	IG%	15.0 ± 5.0	10.0 - 20.0	13.0 ± 5.0	8.0 - 18.0	14.5 ± 5.0	9.5 - 19.5
	RBC-O (10 ¹² /L)	2.15 ± 0.30	1.85 - 2.45	4.43 ± 0.50	3.93 - 4.93	5.65 ± 0.60	5.05 - 6.25

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5226

EXP. 2025-11-26

		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)	4.10 ± 1.20	2.90 - 5.30	8.30 ± 2.00	6.30 - 10.30	21.90 ± 3.20	18.70 - 25.10
	WBC-D (10 ⁹ /L)	3.75 ± 1.20	2.55 - 4.95	7.80 ± 2.00	5.80 - 9.80	21.25 ± 3.20	18.05 - 24.45
	RBC (10 ¹² /L)	2.18 ± 0.15	2.03 - 2.33	4.55 ± 0.24	4.31 - 4.79	5.75 ± 0.30	5.45 - 6.05
	HGB (g/dL)	5.9 ± 0.4	5.5 - 6.3	13.2 ± 0.6	12.6 - 13.8	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	18.0 ± 2.0	16.0 - 20.0	39.6 ± 2.5	37.1 - 42.1	53.5 ± 3.0	50.5 - 56.5
	MCV (fL)	82.5 ± 5.0	77.5 - 87.5	87.0 ± 5.0	82.0 - 92.0	93.0 ± 5.0	88.0 - 98.0
	MCH (pg)	27.1 ± 2.5	24.6 - 29.6	29.0 ± 2.5	26.5 - 31.5	30.8 ± 2.5	28.3 - 33.3
	MCHC (g/dL)	32.8 ± 3.0	29.8 - 35.8	33.3 ± 3.0	30.3 - 36.3	33.1 ± 3.0	30.1 - 36.1
	RDW-SD (fL)	50.0 ± 10.0	40.0 - 60.0	49.0 ± 10.0	39.0 - 59.0	51.0 ± 10.0	41.0 - 61.0
	RDW-CV (%)	16.5 ± 5.0	11.5 - 21.5	16.0 ± 5.0	11.0 - 21.0	15.0 ± 5.0	10.0 - 20.0
	PLT (10 ⁹ /L)	42 ± 20	22 - 62	210 ± 40	170 - 250	405 ± 65	340 - 470
	MPV (fL)	10.4 ± 3.0	7.4 - 13.4	9.9 ± 3.0	6.9 - 12.9	9.5 ± 3.0	6.5 - 12.5
	NEUT # (10 ⁹ /L)	2.16 ± 0.38	1.78 - 2.54	3.86 ± 0.78	3.08 - 4.64	11.26 ± 2.12	9.14 - 13.38
	LYMPH # (10 ⁹ /L)	0.53 ± 0.38	0.15 - 0.91	2.11 ± 0.78	1.33 - 2.89	4.78 ± 2.12	2.66 - 6.90
	MONO # (10 ⁹ /L)	0.15 ± 0.15	0.00 - 0.30	0.23 ± 0.23	0.00 - 0.46	0.53 ± 0.53	0.00 - 1.06
	EO # (10 ⁹ /L)	0.60 ± 0.34	0.26 - 0.94	1.05 ± 0.70	0.35 - 1.75	2.98 ± 1.92	1.06 - 4.90
	BASO # (10 ⁹ /L)	0.32 ± 0.32	0.00 - 0.64	0.55 ± 0.55	0.00 - 1.10	1.70 ± 1.70	0.00 - 3.40
	NEUT%	57.5 ± 10.0	47.5 - 67.5	49.5 ± 10.0	39.5 - 59.5	53.0 ± 10.0	43.0 - 63.0
	LYMPH%	14.0 ± 10.0	4.0 - 24.0	27.0 ± 10.0	17.0 - 37.0	22.5 ± 10.0	12.5 - 32.5
	MONO%	4.0 ± 4.0	0.0 - 8.0	3.0 ± 3.0	0.0 - 6.0	2.5 ± 2.5	0.0 - 5.0
	EO%	16.0 ± 9.0	7.0 - 25.0	13.5 ± 9.0	4.5 - 22.5	14.0 ± 9.0	5.0 - 23.0
	BASO%	8.5 ± 8.5	0.0 - 17.0	7.0 ± 7.0	0.0 - 14.0	8.0 ± 8.0	0.0 - 16.0
	PLT-O (10 ⁹ /L)	55 ± 38	17 - 93	264 ± 65	199 - 329	508 ± 85	423 - 593
	PCT (%)	0.04 ± 0.03	0.01 - 0.07	0.21 ± 0.07	0.14 - 0.28	0.38 ± 0.11	0.27 - 0.49
	PDW (fL)	10.5 ± 5.0	5.5 - 15.5	10.5 ± 5.0	5.5 - 15.5	11.0 ± 5.0	6.0 - 16.0
	P-LCR (%)	26.5 ± 20.0	6.5 - 46.5	24.0 ± 20.0	4.0 - 44.0	22.5 ± 20.0	2.5 - 42.5
	IG # (10 ⁹ /L)	0.56 ± 0.30	0.26 - 0.86	1.01 ± 0.40	0.61 - 1.41	2.98 ± 1.60	1.38 - 4.58
	IG%	15.0 ± 5.0	10.0 - 20.0	13.0 ± 5.0	8.0 - 18.0	14.0 ± 5.0	9.0 - 19.0
	RBC-O (10 ¹² /L)	2.10 ± 0.30	1.80 - 2.40	4.35 ± 0.50	3.85 - 4.85	5.50 ± 0.60	4.90 - 6.10

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5226

EXP. 2025-11-26

		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)	3.95 ± 0.70	3.25 - 4.65	7.80 ± 1.00	6.80 - 8.80	20.00 ± 2.50	17.50 - 22.50
	Neu # (10 ⁹ /L)	2.61 ± 0.40	2.21 - 3.01	4.64 ± 0.62	4.02 - 5.26	13.50 ± 1.80	11.70 - 15.30
	Lym # (10 ⁹ /L)	0.43 ± 0.31	0.12 - 0.74	1.72 ± 0.55	1.17 - 2.27	3.80 ± 1.40	2.40 - 5.20
	Mon # (10 ⁹ /L)	0.10 ± 0.10	0.00 - 0.20	0.23 ± 0.23	0.00 - 0.46	0.60 ± 0.60	0.00 - 1.20
	Eos # (10 ⁹ /L)	0.75 ± 0.39	0.36 - 1.14	1.09 ± 0.82	0.27 - 1.91	1.80 ± 1.60	0.20 - 3.40
	Bas # (10 ⁹ /L)	0.06 ± 0.20	-0.14 - 0.26	0.12 ± 0.40	-0.28 - 0.52	0.30 ± 1.00	-0.70 - 1.30
	Neu %	66.0 ± 10.0	56.0 - 76.0	59.5 ± 8.0	51.5 - 67.5	67.5 ± 9.0	58.5 - 76.5
	Lym %	11.0 ± 8.0	3.0 - 19.0	22.0 ± 7.0	15.0 - 29.0	19.0 ± 7.0	12.0 - 26.0
	Mon %	2.5 ± 2.5	0.0 - 5.0	3.0 ± 3.0	0.0 - 6.0	3.0 ± 3.0	0.0 - 6.0
	Eos %	19.0 ± 10.0	9.0 - 29.0	14.0 ± 10.5	3.5 - 24.5	9.0 ± 8.0	1.0 - 17.0
	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)	2.24 ± 0.18	2.06 - 2.42	4.57 ± 0.24	4.33 - 4.81	5.71 ± 0.30	5.41 - 6.01
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.3 ± 0.6	12.7 - 13.9	17.6 ± 0.8	16.8 - 18.4
	HCT (%)	19.4 ± 2.0	17.4 - 21.4	42.3 ± 2.5	39.8 - 44.8	56.5 ± 3.0	53.5 - 59.5
	MCV (fL)	86.5 ± 5.0	81.5 - 91.5	92.5 ± 5.0	87.5 - 97.5	99.0 ± 5.0	94.0 - 104.0
	MCH (pg)	26.8 ± 2.5	24.3 - 29.3	29.1 ± 2.5	26.6 - 31.6	30.8 ± 2.5	28.3 - 33.3
	MCHC (g/dL)	31.0 ± 3.0	28.0 - 34.0	31.5 ± 3.0	28.5 - 34.5	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)	49.5 ± 6.0	43.5 - 55.5	51.0 ± 6.0	45.0 - 57.0	52.0 ± 8.0	44.0 - 60.0
	PLT (10 ⁹ /L)	43 ± 20	23 - 63	222 ± 40	182 - 262	445 ± 60	385 - 505
	MPV (fL)	9.3 ± 3.0	6.3 - 12.3	9.5 ± 3.0	6.5 - 12.5	9.8 ± 3.0	6.8 - 12.8
	PDW	16.5 ± 3.0	13.5 - 19.5	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	0.210 ± 0.100	0.110 - 0.310	0.436 ± 0.200	0.236 - 0.636
	P-LCR (%)	25.5 ± 10.0	15.5 - 35.5	24.5 ± 10.0	14.5 - 34.5	26.0 ± 10.0	16.0 - 36.0
	P-LCC (10 ⁹ /L)	11 ± 8	3 - 19	55 ± 24	31 - 79	115 ± 50	65 - 165
	IMG # (10 ⁹ /L)	0.20 ± 0.20	0.00 - 0.40	0.39 ± 0.39	0.00 - 0.78	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	6.0 ± 6.0	0.0 - 12.0	6.0 ± 6.0	0.0 - 12.0
	PLT-O (10 ⁹ /L)	41 ± 20	21 - 61	226 ± 40	186 - 266	416 ± 60	356 - 476

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5226

EXP. 2025-11-26

		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)	3.86 ± 1.20	2.66 - 5.06	7.68 ± 1.80	5.88 - 9.48	20.45 ± 3.00	17.45 - 23.45
	RBC (10 ¹² /L)	2.18 ± 0.15	2.03 - 2.33	4.47 ± 0.24	4.23 - 4.71	5.67 ± 0.30	5.37 - 5.97
	HGB (g/dL)	5.8 ± 0.4	5.4 - 6.2	13.0 ± 0.6	12.4 - 13.6	17.3 ± 0.7	16.6 - 18.0
	HCT (%)	18.0 ± 2.0	16.0 - 20.0	40.1 ± 2.5	37.6 - 42.6	54.7 ± 3.0	51.7 - 57.7
	MCV (fL)	82.8 ± 5.0	77.8 - 87.8	89.8 ± 5.0	84.8 - 94.8	96.4 ± 5.0	91.4 - 101.4
	MCH (pg)	26.8 ± 2.5	24.3 - 29.3	29.1 ± 2.5	26.6 - 31.6	30.6 ± 2.5	28.1 - 33.1
	MCHC (g/dL)	32.3 ± 3.0	29.3 - 35.3	32.4 ± 3.0	29.4 - 35.4	31.7 ± 3.0	28.7 - 34.7
	RDW-SD (fL)	55.0 ± 10.0	45.0 - 65.0	52.1 ± 10.0	42.1 - 62.1	52.4 ± 10.0	42.4 - 62.4
	RDW-CV (%)	18.2 ± 5.0	13.2 - 23.2	16.1 ± 5.0	11.1 - 21.1	15.1 ± 5.0	10.1 - 20.1
	PLT (10 ⁹ /L)	46 ± 25	21 - 71	230 ± 40	190 - 270	445 ± 65	380 - 510
	MPV (fL)	9.2 ± 3.0	6.2 - 12.2	9.6 ± 3.0	6.6 - 12.6	9.9 ± 3.0	6.9 - 12.9
	NEUT # (10 ⁹ /L)	2.55 ± 0.50	2.05 - 3.05	4.53 ± 1.00	3.53 - 5.53	13.91 ± 2.51	11.40 - 16.42
	LYMPH # (10 ⁹ /L)	0.44 ± 0.37	0.07 - 0.81	1.65 ± 0.79	0.86 - 2.44	3.78 ± 2.10	1.68 - 4.88
	MONO # (10 ⁹ /L)	0.08 ± 0.08	0.00 - 0.16	0.27 ± 0.19	0.08 - 0.46	0.61 ± 0.51	0.10 - 1.12
	EO # (10 ⁹ /L)	0.73 ± 0.29	0.44 - 1.02	1.11 ± 0.56	0.55 - 1.67	1.84 ± 1.47	0.37 - 3.31
	BASO # (10 ⁹ /L)	0.06 ± 0.06	0.00 - 0.12	0.12 ± 0.12	0.00 - 0.24	0.31 ± 0.31	0.00 - 0.62
	NEUT%	66.0 ± 12.0	54.0 - 78.0	59.0 ± 12.0	47.0 - 71.0	68.0 ± 12.0	56.0 - 80.0
	LYMPH%	11.5 ± 9.0	2.5 - 20.5	21.5 ± 10.0	11.5 - 31.5	18.5 ± 10.0	8.5 - 28.5
	MONO%	2.0 ± 2.0	0.0 - 4.0	3.5 ± 2.5	1.0 - 6.0	3.0 ± 2.5	0.5 - 5.5
	EO%	19.0 ± 7.0	12.0 - 26.0	14.5 ± 7.0	7.5 - 21.5	9.0 ± 7.0	2.0 - 16.0
	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

LOT E5226

EXP. 2025-11-26

		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)	3.90 ± 1.20	2.70 - 5.10	7.80 ± 1.80	6.00 - 9.60	20.30 ± 3.00	17.30 - 23.30
	RBC (10 ¹² /L)	2.25 ± 0.15	2.10 - 2.40	4.56 ± 0.24	4.32 - 4.80	5.70 ± 0.30	5.40 - 6.00
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.2 ± 0.6	12.6 - 13.8	17.6 ± 0.7	16.9 - 18.3
	HCT (%)	18.7 ± 2.0	16.7 - 20.7	39.9 ± 2.5	37.4 - 42.4	53.2 ± 3.0	50.2 - 56.2
	MCV (fL)	83.0 ± 5.0	78.0 - 88.0	87.5 ± 5.0	82.5 - 92.5	93.5 ± 5.0	88.5 - 98.5
	MCH (pg)	26.7 ± 2.5	24.2 - 29.2	28.9 ± 2.5	26.4 - 31.4	30.9 ± 2.5	28.4 - 33.4
	MCHC (g/dL)	32.1 ± 3.0	29.1 - 35.1	33.1 ± 3.0	30.1 - 36.1	33.2 ± 3.0	30.2 - 36.2
	RDW-SD (fL)	48.7 ± 10.0	38.7 - 58.7	47.6 ± 10.0	37.6 - 57.6	50.2 ± 10.0	40.2 - 60.2
	RDW-CV (%)	16.5 ± 5.0	11.5 - 21.5	15.6 ± 5.0	10.6 - 20.6	15.5 ± 5.0	10.5 - 20.5
	PLT (10 ⁹ /L)	46 ± 25	21 - 71	215 ± 40	175 - 255	410 ± 65	345 - 475
	MPV (fL)	8.3 ± 3.0	5.3 - 11.3	9.1 ± 3.0	6.1 - 12.1	9.4 ± 3.0	6.4 - 12.4
	NEUT # (10 ⁹ /L)	2.65 ± 0.50	2.15 - 3.15	4.52 ± 1.00	3.52 - 5.52	12.48 ± 2.52	9.96 - 15.00
	LYMPH # (10 ⁹ /L)	0.57 ± 0.37	0.20 - 0.94	1.95 ± 0.79	1.16 - 2.74	4.36 ± 2.10	2.26 - 6.46
	MONO # (10 ⁹ /L)	0.08 ± 0.08	0.00 - 0.16	0.23 ± 0.23	0.00 - 0.46	0.71 ± 0.51	0.20 - 1.22
	EO # (10 ⁹ /L)	0.60 ± 0.29	0.31 - 0.89	1.09 ± 0.56	0.53 - 1.65	2.74 ± 1.47	1.27 - 4.21
	BASO # (10 ⁹ /L)	3.53 ± 0.82	2.71 - 4.35	5.85 ± 2.00	3.85 - 7.85	17.70 ± 4.20	13.50 - 21.90
	NEUT%	68.0 ± 12.0	56.0 - 80.0	58.0 ± 12.0	46.0 - 70.0	61.5 ± 12.0	49.5 - 73.5
	LYMPH%	14.5 ± 9.0	5.5 - 23.5	25.0 ± 10.0	15.0 - 35.0	21.5 ± 10.0	11.5 - 31.5
	MONO%	2.0 ± 2.0	0.0 - 4.0	3.0 ± 3.0	0.0 - 6.0	3.5 ± 3.5	0.0 - 7.0
	EO%	15.5 ± 7.0	8.5 - 22.5	14.0 ± 7.0	7.0 - 21.0	13.5 ± 7.0	6.5 - 20.5
	BASO%	90.5 ± 20.0	70.5 - 110.5	75.0 ± 25.0	50.0 - 100.0	87.5 ± 20.0	67.5 - 107.5

HC5D-B
(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5226

EXP. 2025-11-26

		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)	3.70 ± 1.20	2.50 - 4.90	7.50 ± 1.80	5.70 - 9.30	20.50 ± 3.00	17.50 - 23.50
	RBC (10 ¹² /L)	2.25 ± 0.15	2.10 - 2.40	4.61 ± 0.24	4.37 - 4.85	5.79 ± 0.30	5.49 - 6.09
	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 (%)	18.4 ± 2.0	16.4 - 20.4	40.1 ± 2.5	37.6 - 42.6	53.9 ± 3.0	50.9 - 56.9
	MCV (fL)	82.0 ± 5.0	77.0 - 87.0	87.0 ± 5.0	82.0 - 92.0	93.0 ± 5.0	88.0 - 98.0
	MCH (pg)	25.9 ± 2.5	23.2 - 28.4	28.6 ± 2.5	26.1 - 31.1	30.6 ± 2.5	28.1 - 33.1
	MCHC (g/dL)	31.7 ± 3.0	28.7 - 34.7	32.8 ± 3.0	29.8 - 35.8	32.9 ± 3.0	29.9 - 35.9
	RDW-SD (fL)	48.7 ± 10.0	38.7 - 58.7	48.3 ± 10.0	38.3 - 58.3	50.4 ± 10.0	40.4 - 60.4
	RDW-CV (%)	16.8 ± 5.0	11.8 - 21.8	15.7 ± 5.0	10.7 - 20.7	16.1 ± 5.0	11.1 - 21.1
	PLT (10 ⁹ /L)	45 ± 25	20 - 70	205 ± 40	165 - 245	385 ± 65	320 - 450
	MPV (fL)	8.9 ± 3.0	6.9 - 11.9	9.7 ± 3.0	6.7 - 12.5	10.1 ± 3.0	7.1 - 13.1
	NEUT # (10 ⁹ /L)	2.28 ± 0.50	1.78 - 2.78	3.75 ± 1.00	2.75 - 4.75	11.17 ± 2.52	8.65 - 13.79
	LYMPH # (10 ⁹ /L)	0.43 ± 0.37	0.06 - 0.80	1.99 ± 0.79	1.20 - 2.78	4.10 ± 2.10	2.00 - 6.20
	MONO # (10 ⁹ /L)	0.09 ± 0.09	0.00 - 0.18	0.19 ± 0.19	0.00 - 0.38	0.51 ± 0.51	0.00 - 1.02
	EO # (10 ⁹ /L)	0.59 ± 0.29	0.30 - 0.88	1.01 ± 0.56	0.45 - 1.57	2.87 ± 1.47	1.40 - 4.34
	BASO # (10 ⁹ /L)	0.31 ± 0.31	0.00 - 0.62	0.56 ± 0.56	0.00 - 1.12	1.85 ± 1.85	0.00 - 3.70
	NEUT%	61.5 ± 12.0	49.5 - 73.5	50.0 ± 12.0	38.0 - 62.0	54.5 ± 12.0	42.5 - 66.5
	LYMPH%	11.5 ± 9.0	2.5 - 20.5	26.5 ± 10.0	16.5 - 36.5	20.0 ± 10.0	10.0 - 30.0
	MONO%	2.5 ± 2.5	0.0 - 4.0	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0
	EO%	16.0 ± 7.0	9.0 - 23.0	13.5 ± 7.0	6.5 - 20.5	14.0 ± 7.0	7.0 - 21.0
	BASO%	8.5 ± 8.5	0.00 - 20.0	7.5 ± 7.5	0.00 - 15.0	9.0 ± 9.0	0.00 - 18.0