

# HC5D-B

(Cat No.1502)

## HEMATOLOGY CONTROLS

**CONTROL**

LOT E5217

EXP. 2025-07-26

		LOW		NORMAL		HIGH	
Sysmex XN Series	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 <sup>9</sup> /L)	<b>4.05</b> ± 1.20	2.85 - 5.25	<b>7.65</b> ± 1.80	5.85 - 9.45	<b>20.50</b> ± 3.00	17.50 - 23.50
	WBC-D (10 <sup>9</sup> /L)	<b>3.85</b> ± 1.20	2.65 - 5.05	<b>7.20</b> ± 1.80	5.40 - 9.00	<b>20.15</b> ± 3.00	17.15 - 23.15
	RBC (10 <sup>12</sup> /L)	<b>2.12</b> ± 0.15	1.97 - 2.27	<b>4.75</b> ± 0.24	4.51 - 4.99	<b>5.65</b> ± 0.30	5.35 - 5.95
	HGB (g/dL)	<b>5.8</b> ± 0.4	5.4 - 6.2	<b>13.3</b> ± 0.6	12.7 - 13.9	<b>17.5</b> ± 0.7	16.8 - 18.2
	HCT (%)	<b>17.6</b> ± 2.0	15.6 - 19.6	<b>40.4</b> ± 2.5	37.9 - 42.9	<b>52.5</b> ± 3.0	49.5 - 55.5
	MCV (fL)	<b>83.0</b> ± 5.0	78.0 - 88.0	<b>85.0</b> ± 5.0	80.0 - 90.0	<b>93.0</b> ± 5.0	88.0 - 98.0
	MCH (pg)	<b>27.4</b> ± 2.5	24.9 - 29.9	<b>28.0</b> ± 2.5	25.5 - 30.5	<b>31.0</b> ± 2.5	28.5 - 33.5
	MCHC (g/dL)	<b>33.0</b> ± 3.0	30.0 - 36.0	<b>32.9</b> ± 3.0	29.9 - 35.9	<b>33.3</b> ± 3.0	30.3 - 36.3
	RDW-SD (fL)	<b>48.5</b> ± 10.0	38.5 - 58.5	<b>47.0</b> ± 10.0	37.0 - 57.0	<b>47.0</b> ± 10.0	37.0 - 57.0
	RDW-CV (%)	<b>17.5</b> ± 5.0	12.5 - 22.5	<b>16.0</b> ± 5.0	11.0 - 21.0	<b>15.0</b> ± 5.0	10.0 - 20.0
	PLT (10 <sup>9</sup> /L)	<b>40</b> ± 20	20 - 60	<b>205</b> ± 40	165 - 245	<b>415</b> ± 65	350 - 480
	MPV (fL)	<b>9.6</b> ± 3.0	6.6 - 12.6	<b>9.5</b> ± 3.0	6.5 - 12.5	<b>9.5</b> ± 3.0	6.5 - 12.5
	NEUT # (10 <sup>9</sup> /L)	<b>2.51</b> ± 0.49	2.02 - 3.00	<b>4.05</b> ± 0.76	3.29 - 4.81	<b>11.89</b> ± 2.46	9.43 - 14.35
	LYMPH # (10 <sup>9</sup> /L)	<b>0.59</b> ± 0.41	0.18 - 1.00	<b>1.95</b> ± 0.76	1.19 - 2.71	<b>3.90</b> ± 2.05	1.85 - 5.95
	MONO # (10 <sup>9</sup> /L)	<b>0.10</b> ± 0.10	0.00 - 0.20	<b>0.19</b> ± 0.19	0.00 - 0.38	<b>0.62</b> ± 0.62	0.00 - 1.24
	EO # (10 <sup>9</sup> /L)	<b>0.65</b> ± 0.28	0.37 - 0.93	<b>1.07</b> ± 0.54	0.53 - 1.61	<b>3.08</b> ± 1.44	1.64 - 4.52
	BASO # (10 <sup>9</sup> /L)	<b>0.20</b> ± 0.20	0.00 - 0.40	<b>0.38</b> ± 0.38	0.00 - 0.76	<b>1.03</b> ± 1.03	0.00 - 2.06
	NEUT%	<b>62.0</b> ± 12.0	50.0 - 74.0	<b>53.0</b> ± 10.0	43.0 - 63.0	<b>58.0</b> ± 12.0	46.0 - 70.0
	LYMPH%	<b>14.5</b> ± 10.0	4.5 - 24.5	<b>25.5</b> ± 10.0	15.5 - 35.5	<b>19.0</b> ± 10.0	9.0 - 29.0
	MONO%	<b>2.5</b> ± 2.5	0.0 - 5.0	<b>2.5</b> ± 2.5	0.0 - 5.0	<b>3.0</b> ± 3.0	0.0 - 6.0
	EO%	<b>16.0</b> ± 7.0	9.0 - 23.0	<b>14.0</b> ± 7.0	7.0 - 21.0	<b>15.0</b> ± 7.0	8.0 - 22.0
	BASO%	<b>5.0</b> ± 5.0	0.0 - 10.0	<b>5.0</b> ± 5.0	0.0 - 10.0	<b>5.0</b> ± 5.0	0.0 - 10.0
	NRBC# (10 <sup>9</sup> /L)	<b>0.40</b> ± 19.60	0.00 - 20.00	<b>0.40</b> ± 19.60	0.00 - 20.00	<b>0.40</b> ± 19.60	0.00 - 20.00
	NRBC% (/100 WBC)	<b>2.0</b> ± 98.0	0.0 - 100.0	<b>2.0</b> ± 98.0	0.0 - 100.0	<b>2.0</b> ± 98.0	0.0 - 100.0
	PLT-O (10 <sup>9</sup> /L)	<b>55</b> ± 38	17 - 93	<b>265</b> ± 65	200 - 330	<b>500</b> ± 85	415 - 585
	PCT (%)	<b>0.04</b> ± 0.03	0.01 - 0.07	<b>0.20</b> ± 0.07	0.13 - 0.27	<b>0.39</b> ± 0.11	0.28 - 0.50
	PDW (fL)	<b>10.0</b> ± 5.0	5.0 - 15.0	<b>10.5</b> ± 5.0	5.5 - 15.5	<b>11.0</b> ± 5.0	6.0 - 16.0
	P-LCR (%)	<b>23.0</b> ± 20.0	3.0 - 43.0	<b>23.0</b> ± 20.0	3.0 - 43.0	<b>24.0</b> ± 20.0	4.0 - 44.0
	IPF (%)	<b>20.0</b> ± 20.0	0.0 - 40.0	<b>20.0</b> ± 20.0	0.0 - 40.0	<b>20.0</b> ± 20.0	0.0 - 40.0
	IG # (10 <sup>9</sup> /L)	<b>0.65</b> ± 0.30	0.35 - 0.95	<b>1.03</b> ± 0.40	0.63 - 1.43	<b>3.08</b> ± 1.60	1.48 - 4.68
	IG%	<b>16.0</b> ± 5.0	11.0 - 21.0	<b>13.5</b> ± 5.0	8.5 - 18.5	<b>15.0</b> ± 5.0	10.0 - 20.0
	RBC-O (10 <sup>12</sup> /L)	<b>2.08</b> ± 0.30	1.78 - 2.38	<b>4.65</b> ± 0.50	4.15 - 5.15	<b>5.60</b> ± 0.60	5.00 - 6.20

# HC5D-B

(Cat No.1502)

## HEMATOLOGY CONTROLS

**CONTROL**

LOT E5217

EXP. 2025-07-26

		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 <sup>9</sup> /L)	4.20 ± 1.20	3.00 - 5.40	7.75 ± 2.00	5.75 - 9.75	21.60 ± 3.20	18.40 - 24.80
	WBC-D (10 <sup>9</sup> /L)	3.90 ± 1.20	2.70 - 5.10	7.35 ± 2.00	5.35 - 9.35	20.90 ± 3.20	17.70 - 24.10
	RBC (10 <sup>12</sup> /L)	2.12 ± 0.15	1.97 - 2.27	4.70 ± 0.24	4.46 - 4.94	5.72 ± 0.30	5.42 - 6.02
	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 (%)	18.0 ± 2.0	16.0 - 20.0	40.7 ± 2.5	38.2 - 43.2	53.8 ± 3.0	50.8 - 56.8
	MCV (fL)	85.0 ± 5.0	80.0 - 90.0	86.5 ± 5.0	81.5 - 91.5	94.0 ± 5.0	89.0 - 99.0
	MCH (pg)	27.8 ± 2.5	25.3 - 30.3	28.3 ± 2.5	25.8 - 30.8	30.9 ± 2.5	28.4 - 33.4
	MCHC (g/dL)	32.7 ± 3.0	29.7 - 35.7	32.7 ± 3.0	29.7 - 35.7	32.9 ± 3.0	29.9 - 35.9
	RDW-SD (fL)	51.0 ± 10.0	41.0 - 61.0	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	16.5 ± 5.0	11.5 - 21.5	14.5 ± 5.0	9.5 - 19.5
	PLT (10 <sup>9</sup> /L)	42 ± 20	22 - 62	205 ± 40	165 - 245	420 ± 65	355 - 485
	MPV (fL)	9.5 ± 3.0	6.5 - 12.5	9.5 ± 3.0	6.5 - 12.5	9.5 ± 3.0	6.5 - 12.5
	NEUT # (10 <sup>9</sup> /L)	2.26 ± 0.39	1.87 - 2.65	3.64 ± 0.74	2.90 - 4.38	11.29 ± 2.09	9.20 - 13.38
	LYMPH # (10 <sup>9</sup> /L)	0.60 ± 0.39	0.21 - 0.99	1.98 ± 0.73	1.25 - 2.71	4.28 ± 2.09	2.19 - 6.37
	MONO # (10 <sup>9</sup> /L)	0.10 ± 0.10	0.00 - 0.20	0.18 ± 0.18	0.00 - 0.36	0.52 ± 0.52	0.00 - 1.04
	EO # (10 <sup>9</sup> /L)	0.60 ± 0.35	0.25 - 0.95	0.99 ± 0.66	0.33 - 1.65	3.03 ± 1.88	1.15 - 4.91
	BASO # (10 <sup>9</sup> /L)	0.33 ± 0.33	0.00 - 0.66	0.55 ± 0.55	0.00 - 1.10	1.78 ± 1.78	0.00 - 3.56
	NEUT%	58.0 ± 10.0	48.0 - 68.0	49.5 ± 10.0	39.5 - 59.5	54.0 ± 10.0	44.0 - 64.0
	LYMPH%	15.5 ± 10.0	5.5 - 25.5	27.0 ± 10.0	17.0 - 37.0	20.5 ± 10.0	10.5 - 30.5
	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%	15.5 ± 9.0	6.5 - 24.5	13.5 ± 9.0	4.5 - 22.5	14.5 ± 9.0	5.5 - 23.5
	BASO%	8.5 ± 8.5	0.0 - 17.0	7.5 ± 7.5	0.0 - 15.0	8.5 ± 8.5	0.0 - 17.0
	PLT-O (10 <sup>9</sup> /L)	55 ± 38	17 - 93	265 ± 65	200 - 330	480 ± 85	395 - 565
	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)	10.0 ± 5.0	5.0 - 15.0	11.0 ± 5.0	6.0 - 16.0	11.0 ± 5.0	6.0 - 16.0
	P-LCR (%)	23.0 ± 20.0	3.0 - 43.0	22.0 ± 20.0	2.0 - 42.0	22.0 ± 20.0	2.0 - 42.0
	IG # (10 <sup>9</sup> /L)	0.62 ± 0.30	0.32 - 0.92	0.99 ± 0.40	0.59 - 1.39	3.14 ± 1.60	1.54 - 4.74
	IG%	16.0 ± 5.0	11.0 - 21.0	13.5 ± 5.0	8.5 - 18.5	15.0 ± 5.0	10.0 - 20.0
	RBC-O (10 <sup>12</sup> /L)	2.08 ± 0.30	1.78 - 2.38	4.53 ± 0.50	4.03 - 5.03	5.48 ± 0.60	4.88 - 6.08

# HC5D-B

(Cat No.1502)

## HEMATOLOGY CONTROLS

**CONTROL**

LOT E5217

EXP. 2025-07-26

		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 <sup>9</sup> /L)	4.10 ± 0.70	3.40 - 4.80	7.30 ± 1.00	6.30 - 8.30	20.25 ± 2.50	17.75 - 22.75
	Neu # (10 <sup>9</sup> /L)	2.83 ± 0.41	2.42 - 3.24	4.31 ± 0.58	3.73 - 4.89	14.07 ± 1.82	12.25 - 15.89
	Lym # (10 <sup>9</sup> /L)	0.51 ± 0.33	0.18 - 0.84	1.64 ± 0.51	1.13 - 2.15	3.34 ± 1.42	1.92 - 4.76
	Mon # (10 <sup>9</sup> /L)	0.10 ± 0.10	0.00 - 0.20	0.26 ± 0.26	0.00 - 0.52	0.61 ± 0.61	0.00 - 1.22
	Eos # (10 <sup>9</sup> /L)	0.59 ± 0.41	0.18 - 1.00	0.99 ± 0.77	0.22 - 1.76	1.92 ± 1.62	0.30 - 3.54
	Bas # (10 <sup>9</sup> /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 %	69.0 ± 10.0	59.0 - 79.0	59.0 ± 8.0	51.0 - 67.0	69.5 ± 9.0	60.5 - 78.5
	Lym %	12.5 ± 8.0	4.5 - 20.5	22.5 ± 7.0	15.5 - 29.5	16.5 ± 7.0	9.5 - 23.5
	Mon %	2.5 ± 2.5	0.0 - 5.0	3.5 ± 3.5	0.0 - 7.0	3.0 ± 3.0	0.0 - 6.0
	Eos %	14.5 ± 10.0	4.5 - 24.5	13.5 ± 10.5	3.0 - 24.0	9.5 ± 8.0	1.5 - 17.5
	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 <sup>12</sup> /L)	2.20 ± 0.18	2.02 - 2.38	4.75 ± 0.24	4.51 - 4.99	5.65 ± 0.30	5.35 - 5.95
	HGB (g/dL)	5.9 ± 0.4	5.5 - 6.3	13.4 ± 0.6	12.8 - 14.0	17.5 ± 0.8	16.7 - 18.3
	HCT (%)	19.4 ± 2.0	17.4 - 21.4	42.5 ± 2.5	40.0 - 45.0	55.7 ± 3.0	52.7 - 58.7
	MCV (fL)	88.0 ± 5.0	83.0 - 93.0	89.5 ± 5.0	84.5 - 94.5	98.5 ± 5.0	93.5 - 103.5
	MCH (pg)	26.8 ± 2.5	24.3 - 29.3	28.2 ± 2.5	25.7 - 30.7	31.0 ± 2.5	28.5 - 33.5
	MCHC (g/dL)	30.5 ± 3.0	27.5 - 33.5	31.5 ± 3.0	28.5 - 34.5	31.4 ± 3.0	28.4 - 34.4
	RDW-CV (%)	17.0 ± 3.0	14.0 - 20.0	16.5 ± 3.0	13.5 - 19.5	15.0 ± 3.0	12.0 - 18.0
	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 <sup>9</sup> /L)	45 ± 20	25 - 65	225 ± 40	185 - 265	445 ± 60	385 - 505
	MPV (fL)	9.0 ± 3.0	6.0 - 12.0	9.5 ± 3.0	6.5 - 12.5	10.0 ± 3.0	7.0 - 13.0
	PDW	15.5 ± 3.0	12.5 - 18.5	16.5 ± 3.0	13.5 - 19.5	16.5 ± 3.0	13.5 - 19.5
	PCT (%)	0.040 ± 0.040	0.000 - 0.080	0.210 ± 0.100	0.110 - 0.310	0.450 ± 0.200	0.250 - 0.650
	P-LCR (%)	22.0 ± 10.0	12.0 - 32.0	24.0 ± 10.0	14.0 - 34.0	27.0 ± 10.0	17.0 - 37.0
	P-LCC (10 <sup>9</sup> /L)	10 ± 8	2 - 18	55 ± 24	31 - 79	120 ± 50	70 - 170
	IMG # (10 <sup>9</sup> /L)	0.21 ± 0.21	0.00 - 0.42	0.37 ± 0.37	0.00 - 0.74	1.01 ± 1.01	0.00 - 2.02
	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	5.0 ± 5.0	0.0 - 10.0	6.0 ± 6.0	0.0 - 12.0
	PLT-O (10 <sup>9</sup> /L)	45 ± 20	25 - 65	215 ± 40	175 - 255	405 ± 60	345 - 465

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5217

EXP. 2025-07-26

		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 <sup>9</sup> /L)	4.21 ± 1.20	3.01 - 5.41	7.95 ± 1.80	6.15 - 9.75	21.50 ± 3.00	18.50 - 24.50
	RBC (10 <sup>12</sup> /L)	2.18 ± 0.15	2.03 - 2.33	4.65 ± 0.24	4.41 - 4.89	5.64 ± 0.30	5.34 - 5.94
	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 (%)	18.4 ± 2.0	16.4 - 20.4	40.9 ± 2.5	38.4 - 43.4	54.7 ± 3.0	51.7 - 57.7
	MCV (fL)	84.5 ± 5.0	79.5 - 89.5	88.0 ± 5.0	83.0 - 93.0	97.0 ± 5.0	94.0 - 104.0
	MCH (pg)	27.1 ± 2.5	24.6 - 29.6	28.6 ± 2.5	26.1 - 31.1	31.4 ± 2.5	28.9 - 33.9
	MCHC (g/dL)	32.1 ± 3.0	29.1 - 35.1	32.5 ± 3.0	29.5 - 35.5	32.4 ± 3.0	29.4 - 35.4
	RDW-SD (fL)	58.4 ± 10.0	48.4 - 68.4	53.3 ± 10.0	43.3 - 63.3	52.4 ± 10.0	42.4 - 62.4
	RDW-CV (%)	19.0 ± 5.0	14.0 - 24.0	16.9 ± 5.0	11.9 - 21.9	15.1 ± 5.0	10.1 - 20.1
	PLT (10 <sup>9</sup> /L)	45 ± 25	20 - 70	220 ± 40	180 - 260	450 ± 65	385 - 515
	MPV (fL)	9.0 ± 3.0	6.0 - 12.0	9.3 ± 3.0	6.3 - 12.3	10.0 ± 3.0	7.0 - 13.0
	NEUT # (10 <sup>9</sup> /L)	2.90 ± 0.50	2.40 - 3.40	4.77 ± 1.00	3.77 - 5.77	15.16 ± 2.51	12.65 - 17.67
	LYMPH # (10 <sup>9</sup> /L)	0.53 ± 0.37	0.16 - 0.90	1.71 ± 0.79	0.92 - 2.50	3.44 ± 2.10	1.34 - 5.54
	MONO # (10 <sup>9</sup> /L)	0.11 ± 0.08	0.03 - 0.19	0.28 ± 0.19	0.09 - 0.47	0.65 ± 0.51	0.14 - 1.16
	EO # (10 <sup>9</sup> /L)	0.61 ± 0.29	0.32 - 0.90	1.07 ± 0.56	0.51 - 1.63	1.94 ± 1.47	0.47 - 3.41
	BASO # (10 <sup>9</sup> /L)	0.06 ± 0.06	0.00 - 0.12	0.12 ± 0.12	0.00 - 0.24	0.32 ± 0.32	0.00 - 0.64
	NEUT%	69.0 ± 12.0	57.0 - 81.0	60.0 ± 12.0	48.0 - 72.0	70.5 ± 12.0	58.5 - 82.5
	LYMPH%	12.5 ± 9.0	3.5 - 21.5	21.5 ± 10.0	11.5 - 31.5	16.0 ± 10.0	6.0 - 26.0
	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%	14.5 ± 7.0	7.5 - 21.5	13.5 ± 7.0	6.5 - 20.5	9.0 ± 7.0	2.0 - 15.0
	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**

E5217

EXP. 2025-07-26

		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 <sup>9</sup> /L)	3.99 ± 1.20	2.79 - 5.19	7.60 ± 1.80	5.80 - 9.40	19.78 ± 3.00	16.78 - 22.78
	RBC (10 <sup>12</sup> /L)	2.19 ± 0.15	2.04 - 2.34	4.71 ± 0.24	4.47 - 4.95	5.64 ± 0.30	5.34 - 5.94
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.4 ± 0.6	12.8 - 14.0	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	18.5 ± 2.0	16.5 - 20.5	40.3 ± 2.5	37.8 - 42.8	53.0 ± 3.0	50.0 - 56.0
	MCV (fL)	84.5 ± 5.0	79.5 - 89.5	85.5 ± 5.0	80.5 - 90.5	94.0 ± 5.0	89.0 - 103.0
	MCH (pg)	27.4 ± 2.5	24.9 - 29.9	28.5 ± 2.5	26.0 - 31.0	31.4 ± 2.5	28.9 - 33.9
	MCHC (g/dL)	32.4 ± 3.0	29.4 - 35.4	33.3 ± 3.0	30.3 - 36.3	33.4 ± 3.0	30.4 - 36.4
	RDW-SD (fL)	51.9 ± 10.0	41.9 - 61.9	50.0 ± 10.0	40.0 - 60.0	50.4 ± 10.0	40.4 - 60.4
	RDW-CV (%)	17.2 ± 5.0	12.2 - 22.2	16.7 ± 5.0	11.7 - 21.7	15.6 ± 5.0	10.6 - 20.6
	PLT (10 <sup>9</sup> /L)	50 ± 25	25 - 75	210 ± 40	170 - 250	415 ± 65	350 - 480
	MPV (fL)	8.0 ± 3.0	5.0 - 11.0	8.8 ± 3.0	5.8 - 11.8	9.3 ± 3.0	6.3 - 12.3
	NEUT # (10 <sup>9</sup> /L)	2.67 ± 0.50	2.17 - 3.17	4.45 ± 1.00	3.45 - 5.45	12.46 ± 2.52	9.94 - 14.98
	LYMPH # (10 <sup>9</sup> /L)	0.60 ± 0.37	0.23 - 0.97	1.82 ± 0.79	1.03 - 2.61	3.76 ± 2.10	1.66 - 5.86
	MONO # (10 <sup>9</sup> /L)	0.10 ± 0.09	0.01 - 0.19	0.27 ± 0.19	0.06 - 0.46	0.59 ± 0.50	0.09 - 1.09
	EO # (10 <sup>9</sup> /L)	0.62 ± 0.29	0.33 - 0.91	1.06 ± 0.56	0.50 - 1.62	2.97 ± 1.47	1.50 - 4.44
	BASO # (10 <sup>9</sup> /L)	3.41 ± 0.82	2.59 - 4.23	5.74 ± 2.00	3.74 - 7.74	17.01 ± 4.20	12.81 - 21.21
	NEUT%	68.5 ± 12.0	56.5 - 80.5	56.0 ± 12.0	44.0 - 68.0	62.0 ± 12.0	50.0 - 74.0
	LYMPH%	15.0 ± 9.0	6.0 - 24.0	24.0 ± 10.0	14.0 - 34.0	19.0 ± 10.0	9.0 - 29.0
	MONO%	2.5 ± 2.5	0.0 - 5.0	3.5 ± 2.5	1.0 - 6.0	3.0 ± 2.5	0.0 - 5.5
	EO%	15.5 ± 7.0	8.5 - 25.5	14.0 ± 7.0	7.0 - 21.0	15.0 ± 7.0	8.0 - 22.0
	BASO%	85.5 ± 20.0	65.5 - 105.5	75.0 ± 25.0	50.0 - 100.0	86.0 ± 20.0	66.0 - 106.0

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5217

EXP. 2025-07-26

		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 <sup>9</sup> /L)	3.95 ± 1.20	2.75 - 5.15	7.65 ± 1.80	5.85 - 9.45	20.55 ± 3.00	17.55 - 23.55
	RBC (10 <sup>12</sup> /L)	2.14 ± 0.15	1.99 - 2.29	4.68 ± 0.24	4.44 - 4.92	5.63 ± 0.30	5.33 - 5.93
	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 (%)	17.8 ± 2.0	15.8 - 19.8	39.5 ± 2.5	37.0 - 42.0	52.4 ± 3.0	49.4 - 55.4
	MCV (fL)	83.0 ± 5.0	78.0 - 88.0	84.5 ± 5.0	79.5 - 89.5	93.0 ± 5.0	88.0 - 98.0
	MCH (pg)	27.1 ± 2.5	24.6 - 29.6	28.4 ± 2.5	25.9 - 30.9	31.4 ± 2.5	28.9 - 33.9
	MCHC (g/dL)	32.6 ± 3.0	29.6 - 35.6	33.7 ± 3.0	30.7 - 36.7	33.8 ± 3.0	30.8 - 36.8
	RDW-SD (fL)	51.0 ± 10.0	41.0 - 61.0	48.5 ± 10.0	38.5 - 58.5	49.7 ± 10.0	39.7 - 59.7
	RDW-CV (%)	17.4 ± 5.0	12.4 - 22.4	16.7 ± 5.0	11.7 - 21.7	16.2 ± 5.0	11.2 - 21.2
	PLT (10 <sup>9</sup> /L)	45 ± 25	20 - 70	205 ± 40	165 - 245	400 ± 65	335 - 465
	MPV (fL)	8.6 ± 3.0	5.6 - 11.6	9.4 ± 3.0	6.4 - 12.4	10.0 ± 3.0	7.0 - 13.0
	NEUT # (10 <sup>9</sup> /L)	2.29 ± 0.50	1.79 - 2.79	3.83 ± 1.00	2.83 - 4.83	11.41 ± 2.52	8.89 - 13.93
	LYMPH # (10 <sup>9</sup> /L)	0.57 ± 0.37	0.20 - 0.94	1.99 ± 0.79	1.20 - 2.78	3.90 ± 2.10	1.80 - 6.00
	MONO # (10 <sup>9</sup> /L)	0.08 ± 0.08	0.00 - 0.16	0.19 ± 0.19	0.00 - 0.38	0.41 ± 0.41	0.00 - 0.82
	EO # (10 <sup>9</sup> /L)	0.63 ± 0.29	0.34 - 0.92	1.03 ± 0.56	0.47 - 1.59	2.98 ± 1.47	1.51 - 4.45
	BASO # (10 <sup>9</sup> /L)	0.38 ± 0.38	0.00 - 0.76	0.61 ± 0.61	0.00 - 1.22	1.85 ± 1.85	0.00 - 3.70
	NEUT%	58.0 ± 12.0	46.0 - 70.0	50.0 ± 12.0	38.0 - 62.0	55.5 ± 12.0	43.5 - 67.5
	LYMPH%	14.5 ± 9.0	5.5 - 23.5	26.0 ± 10.0	16.0 - 36.0	19.0 ± 10.0	9.0 - 29.0
	MONO%	2.0 ± 2.0	0.0 - 4.0	2.5 ± 2.5	0.0 - 5.0	2.0 ± 2.0	0.0 - 4.0
	EO%	16.0 ± 7.0	9.0 - 23.0	13.5 ± 7.0	6.5 - 20.5	14.5 ± 7.0	7.5 - 21.5
	BASO%	9.5 ± 9.5	0.00 - 19.0	8.0 ± 7.5	0.50 - 15.5	9.0 ± 9.0	0.00 - 18.0