

# HC5D-B

(Cat No.1502)

## HEMATOLOGY CONTROLS

**CONTROL**

LOT E5231

EXP. 2026-01-26

|                  |                              | 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)     | 3.90 ± 1.20        | 2.70 - 5.10    | 7.85 ± 1.80        | 6.05 - 9.65    | 20.70 ± 3.00       | 17.70 - 23.70  |
|                  | WBC-D (10 <sup>9</sup> /L)   | 3.70 ± 1.20        | 2.50 - 4.90    | 7.60 ± 1.80        | 5.80 - 9.40    | 20.60 ± 3.00       | 17.60 - 23.60  |
|                  | RBC (10 <sup>12</sup> /L)    | 2.24 ± 0.15        | 2.09 - 2.39    | 4.65 ± 0.24        | 4.41 - 4.89    | 5.70 ± 0.30        | 5.40 - 6.00    |
|                  | HGB (g/dL)                   | 6.0 ± 0.4          | 5.6 - 6.4      | 13.4 ± 0.6         | 12.8 - 14.0    | 17.6 ± 0.7         | 16.9 - 18.3    |
|                  | HCT (%)                      | 17.9 ± 2.0         | 15.9 - 19.9    | 40.5 ± 2.5         | 38.0 - 43.0    | 52.4 ± 3.0         | 49.4 - 55.4    |
|                  | MCV (fL)                     | 80.0 ± 5.0         | 75.0 - 85.0    | 87.0 ± 5.0         | 82.0 - 92.0    | 92.0 ± 5.0         | 87.0 - 97.0    |
|                  | MCH (pg)                     | 26.8 ± 2.5         | 24.3 - 29.3    | 28.8 ± 2.5         | 26.3 - 31.3    | 30.9 ± 2.5         | 28.4 - 33.4    |
|                  | MCHC (g/dL)                  | 33.5 ± 3.0         | 30.5 - 36.5    | 33.1 ± 3.0         | 30.1 - 36.1    | 33.6 ± 3.0         | 30.6 - 36.6    |
|                  | RDW-SD (fL)                  | 48.0 ± 10.0        | 38.0 - 58.0    | 47.0 ± 10.0        | 37.0 - 57.0    | 48.0 ± 10.0        | 38.0 - 58.0    |
|                  | RDW-CV (%)                   | 16.5 ± 5.0         | 11.5 - 21.5    | 16.0 ± 5.0         | 11.0 - 21.0    | 16.0 ± 5.0         | 11.0 - 21.0    |
|                  | PLT (10 <sup>9</sup> /L)     | 43 ± 20            | 23 - 63        | 210 ± 40           | 170 - 250      | 420 ± 65           | 355 - 485      |
|                  | MPV (fL)                     | 10.0 ± 3.0         | 7.0 - 13.0     | 10.2 ± 3.0         | 7.2 - 13.2     | 10.0 ± 3.0         | 7.0 - 13.0     |
|                  | NEUT # (10 <sup>9</sup> /L)  | 2.48 ± 0.47        | 2.01 - 2.95    | 4.12 ± 0.78        | 3.34 - 4.90    | 12.01 ± 2.48       | 9.53 - 14.49   |
|                  | LYMPH # (10 <sup>9</sup> /L) | 0.51 ± 0.39        | 0.12 - 0.90    | 2.08 ± 0.78        | 1.30 - 2.86    | 4.04 ± 2.07        | 1.97 - 6.11    |
|                  | MONO # (10 <sup>9</sup> /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 <sup>9</sup> /L)    | 0.62 ± 0.27        | 0.35 - 0.89    | 1.06 ± 0.55        | 0.51 - 1.61    | 3.11 ± 1.45        | 1.66 - 4.56    |
|                  | BASO # (10 <sup>9</sup> /L)  | 0.20 ± 0.20        | 0.00 - 0.40    | 0.39 ± 0.39        | 0.00 - 0.78    | 1.04 ± 1.04        | 0.00 - 2.08    |
|                  | NEUT%                        | 63.5 ± 12.0        | 51.5 - 75.5    | 52.5 ± 10.0        | 42.5 - 62.5    | 58.0 ± 12.0        | 46.0 - 70.0    |
|                  | LYMPH%                       | 13.0 ± 10.0        | 3.0 - 23.0     | 26.5 ± 10.0        | 16.5 - 36.5    | 19.5 ± 10.0        | 9.5 - 29.5     |
|                  | 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 ± 7.0         | 9.0 - 23.0     | 13.5 ± 7.0         | 6.5 - 20.5     | 15.0 ± 7.0         | 8.0 - 22.0     |
|                  | 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 <sup>9</sup> /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 <sup>9</sup> /L)   | 60 ± 38            | 22 - 98        | 240 ± 65           | 175 - 305      | 485 ± 85           | 400 - 570      |
|                  | PCT (%)                      | 0.04 ± 0.03        | 0.01 - 0.07    | 0.22 ± 0.07        | 0.15 - 0.29    | 0.42 ± 0.11        | 0.31 - 0.53    |
|                  | PDW (fL)                     | 9.0 ± 5.0          | 4.0 - 14.0     | 12.0 ± 5.0         | 7.0 - 17.0     | 12.0 ± 5.0         | 7.0 - 17.0     |
|                  | P-LCR (%)                    | 22.5 ± 20.0        | 2.5 - 42.5     | 27.5 ± 20.0        | 7.5 - 47.5     | 26.0 ± 20.0        | 6.0 - 46.0     |
|                  | 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 <sup>9</sup> /L)    | 0.62 ± 0.30        | 0.32 - 0.92    | 1.06 ± 0.40        | 0.66 - 1.46    | 3.11 ± 1.60        | 1.51 - 4.71    |
|                  | 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)  | 2.25 ± 0.30        | 1.95 - 2.55    | 4.60 ± 0.50        | 4.10 - 5.10    | 5.59 ± 0.60        | 4.99 - 6.19    |

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LOT E5231

EXP. 2026-01-26

|                    |                              | 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)   | 4.10 ± 1.20        | 2.90 - 5.30    | 8.00 ± 2.00        | 6.00 - 10.00   | 21.70 ± 3.20       | 18.50 - 24.90  |
|                    | WBC-D (10 <sup>9</sup> /L)   | 3.80 ± 1.20        | 2.60 - 5.00    | 7.60 ± 2.00        | 5.60 - 9.60    | 21.25 ± 3.20       | 18.05 - 24.45  |
|                    | RBC (10 <sup>12</sup> /L)    | 2.24 ± 0.15        | 2.09 - 2.39    | 4.61 ± 0.24        | 4.37 - 4.85    | 5.71 ± 0.30        | 5.41 - 6.01    |
|                    | HGB (g/dL)                   | 5.9 ± 0.4          | 5.5 - 6.3      | 13.4 ± 0.6         | 12.8 - 14.0    | 17.7 ± 0.7         | 17.0 - 18.4    |
|                    | HCT (%)                      | 18.1 ± 2.0         | 16.1 - 20.1    | 40.1 ± 2.5         | 37.6 - 42.6    | 52.5 ± 3.0         | 49.5 - 55.5    |
|                    | MCV (fL)                     | 81.0 ± 5.0         | 76.0 - 86.0    | 87.0 ± 5.0         | 82.0 - 92.0    | 92.0 ± 5.0         | 87.0 - 97.0    |
|                    | MCH (pg)                     | 26.3 ± 2.5         | 23.8 - 28.8    | 29.1 ± 2.5         | 26.6 - 31.6    | 31.0 ± 2.5         | 28.5 - 33.5    |
|                    | MCHC (g/dL)                  | 32.5 ± 3.0         | 29.5 - 35.5    | 33.4 ± 3.0         | 30.4 - 36.4    | 33.7 ± 3.0         | 30.7 - 36.7    |
|                    | RDW-SD (fL)                  | 50.0 ± 10.0        | 40.0 - 60.0    | 49.0 ± 10.0        | 39.0 - 59.0    | 50.0 ± 10.0        | 40.0 - 60.0    |
|                    | RDW-CV (%)                   | 17.0 ± 5.0         | 12.0 - 22.0    | 15.5 ± 5.0         | 10.5 - 20.5    | 15.0 ± 5.0         | 10.0 - 20.0    |
|                    | PLT (10 <sup>9</sup> /L)     | 45 ± 20            | 25 - 65        | 210 ± 40           | 170 - 250      | 424 ± 65           | 359 - 489      |
|                    | MPV (fL)                     | 9.9 ± 3.0          | 6.9 - 12.9     | 10.3 ± 3.0         | 7.3 - 13.3     | 10.2 ± 3.0         | 7.2 - 13.2     |
|                    | NEUT # (10 <sup>9</sup> /L)  | 2.24 ± 0.38        | 1.86 - 2.62    | 3.72 ± 0.76        | 2.96 - 4.48    | 11.48 ± 2.13       | 9.35 - 13.61   |
|                    | LYMPH # (10 <sup>9</sup> /L) | 0.51 ± 0.38        | 0.13 - 0.89    | 2.09 ± 0.76        | 1.33 - 2.85    | 4.46 ± 2.12        | 2.34 - 6.58    |
|                    | MONO # (10 <sup>9</sup> /L)  | 0.10 ± 0.10        | 0.00 - 0.20    | 0.19 ± 0.19        | 0.00 - 0.38    | 0.53 ± 0.53        | 0.00 - 1.06    |
|                    | EO # (10 <sup>9</sup> /L)    | 0.61 ± 0.34        | 0.27 - 0.95    | 1.03 ± 0.69        | 0.34 - 1.72    | 3.08 ± 1.91        | 1.17 - 4.99    |
|                    | BASO # (10 <sup>9</sup> /L)  | 0.34 ± 0.34        | 0.00 - 0.68    | 0.57 ± 0.57        | 0.00 - 1.14    | 1.70 ± 1.70        | 0.00 - 3.40    |
|                    | NEUT%                        | 59.0 ± 10.0        | 49.0 - 69.0    | 49.0 ± 10.0        | 39.0 - 59.0    | 54.0 ± 10.0        | 44.0 - 64.0    |
|                    | LYMPH%                       | 13.5 ± 10.0        | 3.5 - 23.5     | 27.5 ± 10.0        | 17.5 - 37.5    | 21.0 ± 10.0        | 11.0 - 31.0    |
|                    | 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%                          | 16.0 ± 9.0         | 7.0 - 25.0     | 13.5 ± 9.0         | 4.5 - 22.5     | 14.5 ± 9.0         | 5.5 - 23.5     |
|                    | BASO%                        | 9.0 ± 9.0          | 0.0 - 18.0     | 7.5 ± 7.5          | 0.0 - 15.0     | 8.0 ± 8.0          | 0.0 - 16.0     |
|                    |                              |                    |                |                    |                |                    |                |
|                    | PLT-O (10 <sup>9</sup> /L)   | 57 ± 38            | 19 - 95        | 230 ± 65           | 165 - 295      | 445 ± 85           | 360 - 530      |
|                    | PCT (%)                      | 0.05 ± 0.03        | 0.02 - 0.08    | 0.22 ± 0.07        | 0.15 - 0.29    | 0.43 ± 0.11        | 0.32 - 0.54    |
|                    | PDW (fL)                     | 9.5 ± 5.0          | 4.5 - 14.5     | 12.0 ± 5.0         | 7.0 - 17.0     | 12.5 ± 5.0         | 7.5 - 17.5     |
|                    | P-LCR (%)                    | 22.5 ± 20.0        | 2.5 - 42.5     | 27.5 ± 20.0        | 7.5 - 47.5     | 26.5 ± 20.0        | 6.5 - 46.5     |
|                    | IG # (10 <sup>9</sup> /L)    | 0.63 ± 0.30        | 0.33 - 0.93    | 1.03 ± 0.40        | 0.63 - 1.43    | 3.08 ± 1.60        | 1.48 - 4.68    |
|                    | IG%                          | 16.5 ± 5.0         | 11.5 - 21.5    | 13.5 ± 5.0         | 8.5 - 18.5     | 14.5 ± 5.0         | 9.5 - 19.5     |
|                    | RBC-O (10 <sup>12</sup> /L)  | 2.20 ± 0.30        | 1.90 - 2.50    | 4.45 ± 0.50        | 3.95 - 4.95    | 5.50 ± 0.60        | 4.90 - 6.10    |

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LOT E5231

EXP. 2026-01-26

|                                  |                            | 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)   | <b>3.85</b> ± 0.70   | 3.15 - 4.55    | <b>7.75</b> ± 1.00   | 6.75 - 8.75    | <b>20.20</b> ± 2.50  | 17.70 - 22.70  |
|                                  | Neu # (10 <sup>9</sup> /L) | <b>2.73</b> ± 0.38   | 2.35 - 3.11    | <b>4.73</b> ± 0.62   | 4.11 - 5.35    | <b>13.84</b> ± 1.82  | 12.02 - 15.66  |
|                                  | Lym # (10 <sup>9</sup> /L) | <b>0.42</b> ± 0.31   | 0.11 - 0.73    | <b>1.74</b> ± 0.54   | 1.20 - 2.28    | <b>3.54</b> ± 1.42   | 2.12 - 4.96    |
|                                  | Mon # (10 <sup>9</sup> /L) | <b>0.10</b> ± 0.10   | 0.00 - 0.20    | <b>0.23</b> ± 0.23   | 0.00 - 0.46    | <b>0.51</b> ± 0.51   | 0.00 - 1.02    |
|                                  | Eos # (10 <sup>9</sup> /L) | <b>0.54</b> ± 0.39   | 0.15 - 0.93    | <b>0.93</b> ± 0.81   | 0.12 - 1.74    | <b>2.02</b> ± 1.62   | 0.40 - 3.64    |
|                                  | Bas # (10 <sup>9</sup> /L) | <b>0.06</b> ± 0.20   | -0.14 - 0.26   | <b>0.12</b> ± 0.40   | -0.28 - 0.52   | <b>0.30</b> ± 1.00   | -0.70 - 1.30   |
|                                  | Neu %                      | <b>71.0</b> ± 10.0   | 61.0 - 81.0    | <b>61.0</b> ± 8.0    | 53.0 - 69.0    | <b>68.5</b> ± 9.0    | 59.5 - 77.5    |
|                                  | Lym %                      | <b>11.0</b> ± 8.0    | 3.0 - 19.0     | <b>22.5</b> ± 7.0    | 15.5 - 29.5    | <b>17.5</b> ± 7.0    | 10.5 - 24.5    |
|                                  | Mon %                      | <b>2.5</b> ± 2.5     | 0.0 - 5.0      | <b>3.0</b> ± 3.0     | 0.0 - 6.0      | <b>2.5</b> ± 2.5     | 0.0 - 5.0      |
|                                  | Eos %                      | <b>14.0</b> ± 10.0   | 4.0 - 24.0     | <b>12.0</b> ± 10.0   | 2.0 - 22.0     | <b>10.0</b> ± 8.0    | 2.0 - 18.0     |
|                                  | Bas %                      | <b>1.5</b> ± 5.0     | -3.5 - 6.5     | <b>1.5</b> ± 5.0     | -3.5 - 6.5     | <b>1.5</b> ± 5.0     | -3.5 - 6.5     |
|                                  | RBC (10 <sup>12</sup> /L)  | <b>2.30</b> ± 0.18   | 2.12 - 2.48    | <b>4.65</b> ± 0.24   | 4.41 - 4.89    | <b>5.70</b> ± 0.30   | 5.40 - 6.00    |
|                                  | HGB (g/dL)                 | <b>6.1</b> ± 0.4     | 5.7 - 6.5      | <b>13.4</b> ± 0.6    | 12.8 - 14.0    | <b>17.6</b> ± 0.8    | 16.8 - 18.4    |
|                                  | HCT (%)                    | <b>19.7</b> ± 2.0    | 17.7 - 21.7    | <b>43.2</b> ± 2.5    | 40.7 - 45.7    | <b>56.1</b> ± 3.0    | 53.1 - 59.1    |
|                                  | MCV (fL)                   | <b>85.5</b> ± 5.0    | 80.5 - 90.5    | <b>93.0</b> ± 5.0    | 88.0 - 98.0    | <b>98.5</b> ± 5.0    | 93.5 - 103.5   |
|                                  | MCH (pg)                   | <b>26.5</b> ± 2.5    | 24.0 - 29.0    | <b>28.8</b> ± 2.5    | 26.3 - 31.3    | <b>30.9</b> ± 2.5    | 28.4 - 33.4    |
|                                  | MCHC (g/dL)                | <b>31.0</b> ± 3.0    | 28.0 - 34.0    | <b>31.0</b> ± 3.0    | 28.0 - 34.0    | <b>31.3</b> ± 3.0    | 28.3 - 34.3    |
|                                  | RDW-CV (%)                 | <b>16.5</b> ± 3.0    | 13.5 - 19.5    | <b>15.5</b> ± 3.0    | 12.5 - 18.5    | <b>15.5</b> ± 3.0    | 12.5 - 18.5    |
|                                  | RDW-SD (fL)                | <b>50.0</b> ± 6.0    | 44.0 - 56.0    | <b>51.5</b> ± 6.0    | 45.5 - 57.5    | <b>53.0</b> ± 8.0    | 45.0 - 61.0    |
|                                  | PLT (10 <sup>9</sup> /L)   | <b>46</b> ± 20       | 26 - 66        | <b>223</b> ± 40      | 183 - 263      | <b>444</b> ± 60      | 384 - 504      |
|                                  | MPV (fL)                   | <b>8.5</b> ± 3.0     | 5.5 - 11.5     | <b>10.3</b> ± 3.0    | 7.3 - 13.3     | <b>10.7</b> ± 3.0    | 7.7 - 13.7     |
|                                  | PDW                        | <b>16.5</b> ± 3.0    | 13.5 - 19.5    | <b>16.5</b> ± 3.0    | 13.5 - 19.5    | <b>16.5</b> ± 3.0    | 13.5 - 19.5    |
|                                  | PCT (%)                    | <b>0.050</b> ± 0.050 | 0.000 - 0.100  | <b>0.225</b> ± 0.100 | 0.125 - 0.325  | <b>0.465</b> ± 0.200 | 0.265 - 0.665  |
|                                  | P-LCR (%)                  | <b>20.0</b> ± 10.0   | 10.0 - 30.0    | <b>30.5</b> ± 10.0   | 20.5 - 40.5    | <b>32.0</b> ± 10.0   | 22.0 - 42.0    |
|                                  | P-LCC (10 <sup>9</sup> /L) | <b>8</b> ± 8         | 0 - 16         | <b>70</b> ± 24       | 46 - 94        | <b>145</b> ± 50      | 95 - 195       |
|                                  | IMG # (10 <sup>9</sup> /L) | <b>0.19</b> ± 0.19   | 0.00 - 0.38    | <b>0.39</b> ± 0.39   | 0.00 - 0.78    | <b>1.01</b> ± 1.01   | 0.00 - 2.02    |
|                                  | IMG%                       | <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     |
|                                  | IPF (%)                    | <b>6.0</b> ± 6.0     | 0.0 - 12.0     | <b>6.0</b> ± 6.0     | 0.0 - 12.0     | <b>6.0</b> ± 6.0     | 0.0 - 12.0     |
|                                  |                            |                      |                |                      |                |                      |                |
|                                  | PLT-O (10 <sup>9</sup> /L) | <b>53</b> ± 20       | 33 - 73        | <b>182</b> ± 40      | 142 - 222      | <b>365</b> ± 60      | 305 - 425      |

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CONTROL

LOT E5231

EXP. 2026-01-26

|                         |                              | 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)     | 3.89 ± 1.20        | 2.69 - 5.09    | 7.67 ± 1.80        | 5.87 - 9.47    | 20.26 ± 3.00       | 17.26 - 23.26  |
|                         | RBC (10 <sup>12</sup> /L)    | 2.25 ± 0.15        | 2.10 - 2.40    | 4.74 ± 0.24        | 4.50 - 4.98    | 5.85 ± 0.30        | 5.55 - 6.15    |
|                         | HGB (g/dL)                   | 6.0 ± 0.4          | 5.6 - 6.4      | 13.7 ± 0.6         | 13.1 - 14.3    | 18.0 ± 0.7         | 17.3 - 18.7    |
|                         | HCT (%)                      | 18.3 ± 2.0         | 16.3 - 20.3    | 42.5 ± 2.5         | 40.0 - 45.0    | 57.6 ± 3.0         | 54.6 - 60.6    |
|                         | MCV (fL)                     | 81.0 ± 5.0         | 76.0 - 86.0    | 89.6 ± 5.0         | 84.6 - 94.6    | 98.5 ± 5.0         | 93.5 - 103.5   |
|                         | MCH (pg)                     | 26.5 ± 2.5         | 24.0 - 29.0    | 28.9 ± 2.5         | 26.4 - 31.4    | 30.8 ± 2.5         | 28.3 - 33.3    |
|                         | MCHC (g/dL)                  | 32.7 ± 3.0         | 29.7 - 35.7    | 32.3 ± 3.0         | 29.3 - 35.3    | 31.3 ± 3.0         | 28.3 - 34.3    |
|                         | RDW-SD (fL)                  | 53.9 ± 10.0        | 43.9 - 63.9    | 52.5 ± 10.0        | 52.5 - 62.5    | 51.7 ± 10.0        | 41.7 - 61.7    |
|                         | RDW-CV (%)                   | 18.3 ± 5.0         | 13.3 - 23.3    | 16.3 ± 5.0         | 11.3 - 21.3    | 14.9 ± 5.0         | 9.9 - 19.9     |
|                         | PLT (10 <sup>9</sup> /L)     | 50 ± 25            | 25 - 75        | 225 ± 40           | 185 - 265      | 450 ± 65           | 385 - 515      |
|                         | MPV (fL)                     | 8.2 ± 3.0          | 5.2 - 11.2     | 10.2 ± 3.0         | 7.2 - 13.2     | 10.8 ± 3.0         | 7.8 - 13.8     |
|                         | NEUT # (10 <sup>9</sup> /L)  | 2.72 ± 0.50        | 2.22 - 3.22    | 4.68 ± 1.00        | 3.68 - 5.68    | 13.98 ± 2.51       | 11.47 - 16.49  |
|                         | LYMPH # (10 <sup>9</sup> /L) | 0.43 ± 0.37        | 0.06 - 0.80    | 1.61 ± 0.79        | 0.82 - 2.40    | 3.44 ± 2.10        | 1.34 - 5.54    |
|                         | MONO # (10 <sup>9</sup> /L)  | 0.10 ± 0.08        | 0.02 - 0.18    | 0.27 ± 0.19        | 0.08 - 0.46    | 0.51 ± 0.51        | 0.00 - 1.02    |
|                         | EO # (10 <sup>9</sup> /L)    | 0.58 ± 0.29        | 0.29 - 0.87    | 1.00 ± 0.56        | 0.44 - 1.56    | 2.03 ± 1.47        | 0.56 - 3.50    |
|                         | BASO # (10 <sup>9</sup> /L)  | 0.06 ± 0.06        | 0.00 - 0.12    | 0.12 ± 0.12        | 0.00 - 0.24    | 0.30 ± 0.30        | 0.00 - 0.60    |
|                         | NEUT%                        | 70.0 ± 12.0        | 58.0 - 82.0    | 61.0 ± 12.0        | 49.0 - 73.0    | 69.0 ± 12.0        | 57.0 - 81.0    |
|                         | LYMPH%                       | 11.0 ± 9.0         | 2.0 - 20.0     | 21.0 ± 10.0        | 11.0 - 31.0    | 17.0 ± 10.0        | 7.0 - 27.0     |
|                         | MONO%                        | 2.5 ± 2.0          | 0.5 - 4.5      | 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     | 13.0 ± 7.0         | 6.0 - 20.0     | 10.0 ± 7.0         | 3.0 - 17.0     |
|                         | 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 E5231

EXP. 2026-01-26

|                                   |                              | 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)     | 3.85 ± 1.20        | 2.65 - 5.05    | 8.03 ± 1.80        | 6.23 - 9.83    | 20.24 ± 3.00       | 17.24 - 23.24  |
|                                   | RBC (10 <sup>12</sup> /L)    | 2.35 ± 0.15        | 2.20 - 2.50    | 4.71 ± 0.24        | 4.47 - 4.95    | 5.73 ± 0.30        | 5.43 - 6.03    |
|                                   | HGB (g/dL)                   | 6.2 ± 0.4          | 5.8 - 6.6      | 13.6 ± 0.6         | 13.0 - 14.2    | 17.9 ± 0.7         | 17.2 - 18.6    |
|                                   | HCT (%)                      | 19.2 ± 2.0         | 17.2 - 21.2    | 41.7 ± 2.5         | 39.2 - 44.2    | 54.2 ± 3.0         | 51.2 - 57.2    |
|                                   | MCV (fL)                     | 82.0 ± 5.0         | 77.0 - 87.0    | 88.5 ± 5.0         | 83.5 - 93.5    | 95.0 ± 5.0         | 90.0 - 100.0   |
|                                   | MCH (pg)                     | 26.6 ± 2.5         | 24.1 - 29.1    | 28.7 ± 2.5         | 26.2 - 31.2    | 31.3 ± 2.5         | 28.8 - 33.8    |
|                                   | MCHC (g/dL)                  | 32.5 ± 3.0         | 29.5 - 35.5    | 32.5 ± 3.0         | 29.5 - 35.5    | 33.0 ± 3.0         | 30.0 - 36.0    |
|                                   | RDW-SD (fL)                  | 48.3 ± 10.0        | 38.3 - 58.3    | 49.7 ± 10.0        | 39.7 - 59.7    | 50.2 ± 10.0        | 40.2 - 60.2    |
|                                   | RDW-CV (%)                   | 16.6 ± 5.0         | 11.6 - 21.6    | 16.0 ± 5.0         | 9.0 - 21.0     | 15.4 ± 5.0         | 10.4 - 20.4    |
|                                   | PLT (10 <sup>9</sup> /L)     | 52 ± 25            | 27 - 77        | 205 ± 40           | 165 - 245      | 420 ± 65           | 355 - 485      |
|                                   | MPV (fL)                     | 8.0 ± 3.0          | 5.0 - 11.0     | 9.3 ± 3.0          | 6.3 - 12.3     | 10.4 ± 3.0         | 7.4 - 13.4     |
|                                   | NEUT # (10 <sup>9</sup> /L)  | 2.54 ± 0.50        | 2.04 - 3.04    | 4.50 ± 1.00        | 3.50 - 5.50    | 12.35 ± 2.52       | 9.83 - 14.87   |
|                                   | LYMPH # (10 <sup>9</sup> /L) | 0.64 ± 0.37        | 0.27 - 1.01    | 2.25 ± 0.79        | 1.46 - 3.04    | 4.66 ± 2.10        | 2.56 - 6.76    |
|                                   | MONO # (10 <sup>9</sup> /L)  | 0.08 ± 0.08        | 0.00 - 0.16    | 0.24 ± 0.24        | 0.00 - 0.48    | 0.40 ± 0.40        | 0.20 - 0.80    |
|                                   | EO # (10 <sup>9</sup> /L)    | 0.60 ± 0.29        | 0.31 - 0.89    | 1.04 ± 0.56        | 0.48 - 1.60    | 2.83 ± 1.47        | 1.36 - 4.30    |
|                                   | BASO # (10 <sup>9</sup> /L)  | 3.41 ± 0.82        | 2.59 - 4.23    | 6.02 ± 2.00        | 4.02 - 8.02    | 17.00 ± 4.20       | 12.80 - 21.20  |
|                                   | NEUT%                        | 66.0 ± 12.0        | 54.0 - 78.0    | 56.0 ± 12.0        | 44.0 - 68.0    | 61.0 ± 12.0        | 49.0 - 73.0    |
|                                   | LYMPH%                       | 16.5 ± 9.0         | 7.5 - 25.5     | 28.0 ± 10.0        | 18.0 - 38.0    | 23.0 ± 10.0        | 13.0 - 33.0    |
|                                   | 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%                          | 15.5 ± 7.0         | 8.5 - 22.5     | 13.0 ± 7.0         | 6.0 - 20.0     | 14.0 ± 7.0         | 7.0 - 21.0     |
|                                   | BASO%                        | 88.5 ± 20.0        | 68.5 - 108.5   | 75.0 ± 25.0        | 50.0 - 100.0   | 84.0 ± 20.0        | 64.0 - 104.0   |

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5231

EXP. 2026-01-26

|                                   |                              | 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)     | 3.62 ± 1.20        | 2.42 - 4.82    | 7.46 ± 1.80        | 5.66 - 9.26    | 20.22 ± 3.00       | 17.22 - 23.22  |
|                                   | RBC (10 <sup>12</sup> /L)    | 2.32 ± 0.15        | 2.17 - 2.47    | 4.72 ± 0.24        | 4.48 - 4.96    | 5.78 ± 0.30        | 5.48 - 6.08    |
|                                   | HGB (g/dL)                   | 6.0 ± 0.4          | 5.6 - 6.4      | 13.5 ± 0.6         | 12.7 - 14.1    | 18.0 ± 0.7         | 17.3 - 18.7    |
|                                   | HCT (%)                      | 18.8 ± 2.0         | 16.8 - 20.8    | 41.5 ± 2.5         | 39.0 - 44.0    | 54.3 ± 3.0         | 51.3 - 57.3    |
|                                   | MCV (fL)                     | 81.0 ± 5.0         | 76.0 - 86.0    | 88.0 ± 5.0         | 83.0 - 103.0   | 94.0 ± 5.0         | 89.0 - 99.0    |
|                                   | MCH (pg)                     | 25.8 ± 2.5         | 23.3 - 28.3    | 28.6 ± 2.5         | 26.1 - 31.1    | 31.2 ± 2.5         | 28.7 - 33.7    |
|                                   | MCHC (g/dL)                  | 32.0 ± 3.0         | 29.0 - 35.0    | 32.5 ± 3.0         | 29.5 - 35.5    | 33.2 ± 3.0         | 30.2 - 36.2    |
|                                   | RDW-SD (fL)                  | 47.1 ± 10.0        | 37.1 - 57.1    | 49.7 ± 10.0        | 39.7 - 59.7    | 49.0 ± 10.0        | 39.0 - 59.0    |
|                                   | RDW-CV (%)                   | 16.9 ± 5.0         | 11.9 - 21.9    | 15.9 ± 5.0         | 10.9 - 20.9    | 15.2 ± 5.0         | 10.2 - 20.2    |
|                                   | PLT (10 <sup>9</sup> /L)     | 45 ± 25            | 20 - 70        | 205 ± 40           | 165 - 245      | 385 ± 65           | 320 - 450      |
|                                   | MPV (fL)                     | 8.3 ± 3.0          | 5.3 - 11.3     | 10.0 ± 3.0         | 7.0 - 13.0     | 10.6 ± 3.0         | 7.6 - 13.6     |
|                                   | NEUT # (10 <sup>9</sup> /L)  | 2.21 ± 0.50        | 1.71 - 2.71    | 3.73 ± 1.00        | 2.73 - 4.73    | 11.02 ± 2.52       | 8.50 - 13.54   |
|                                   | LYMPH # (10 <sup>9</sup> /L) | 0.45 ± 0.37        | 0.08 - 0.82    | 2.01 ± 0.79        | 1.22 - 2.80    | 4.04 ± 2.10        | 1.94 - 6.14    |
|                                   | MONO # (10 <sup>9</sup> /L)  | 0.07 ± 0.07        | 0.00 - 0.14    | 0.15 ± 0.15        | 0.00 - 0.30    | 0.40 ± 0.40        | 0.00 - 0.80    |
|                                   | EO # (10 <sup>9</sup> /L)    | 0.56 ± 0.29        | 0.27 - 0.85    | 1.01 ± 0.56        | 0.45 - 1.57    | 2.93 ± 1.47        | 1.46 - 4.40    |
|                                   | BASO # (10 <sup>9</sup> /L)  | 0.33 ± 0.31        | 0.02 - 0.64    | 0.56 ± 0.56        | 0.00 - 1.12    | 1.82 ± 1.82        | 0.00 - 3.64    |
|                                   | NEUT%                        | 61.0 ± 12.0        | 49.0 - 73.0    | 50.0 ± 12.0        | 38.0 - 62.0    | 54.5 ± 12.0        | 42.5 - 66.5    |
|                                   | LYMPH%                       | 12.5 ± 9.0         | 3.5 - 21.5     | 27.0 ± 10.0        | 17.0 - 37.0    | 20.0 ± 10.0        | 10.0 - 30.0    |
|                                   | MONO%                        | 2.0 ± 2.0          | 0.0 - 4.0      | 2.0 ± 2.0          | 0.0 - 4.0      | 2.0 ± 2.0          | 0.0 - 4.0      |
|                                   | EO%                          | 15.5 ± 7.0         | 8.5 - 22.5     | 13.5 ± 7.0         | 6.5 - 20.5     | 14.5 ± 7.0         | 7.5 - 21.5     |
|                                   | BASO%                        | 9.0 ± 8.5          | 0.50 - 17.5    | 7.5 ± 7.5          | 0.00 - 15.0    | 9.0 ± 9.0          | 0.00 - 18.0    |