

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC2307B****2023-09-10**

## ASSAY VALUES AND EXPECTED RANGES

| Instrument Parameter | Low<br><b>LOT BC2307BL</b>             |  | Normal<br><b>LOT BC2307BN</b>          |  | High<br><b>LOT BC2307BH</b>             |   |
|----------------------|--|--|--|--|---|---|
|                      | The U.S. Units                         | The International Units                | The U.S. Units                         | The International Units                | The U.S. Units                          | The International Units                 |
| <b>BC-5390 WBC</b>   | <b>3.10 ± 0.50 × 10<sup>9</sup>/μL</b> | <b>3.10 ± 0.50 × 10<sup>9</sup>/L</b>  | <b>7.75 ± 1.00 × 10<sup>3</sup>/μL</b> | <b>7.75 ± 1.00 × 10<sup>9</sup>/L</b>  | <b>17.15 ± 2.50 × 10<sup>3</sup>/μL</b> | <b>17.15 ± 2.50 × 10<sup>9</sup>/L</b>  |
| <b>QC Mode Neu#</b>  | <b>1.61 ± 0.28 × 10<sup>3</sup>/μL</b> | <b>1.61 ± 0.28 × 10<sup>9</sup>/L</b>  | <b>4.50 ± 0.70 × 10<sup>3</sup>/μL</b> | <b>4.50 ± 0.70 × 10<sup>9</sup>/μL</b> | <b>11.40 ± 1.55 × 10<sup>3</sup>/μL</b> | <b>11.40 ± 1.55 × 10<sup>9</sup>/μL</b> |
| <b>Lym#</b>          | <b>1.12 ± 0.28 × 10<sup>3</sup>/μL</b> | <b>1.12 ± 0.28 × 10<sup>9</sup>/L</b>  | <b>2.09 ± 0.70 × 10<sup>3</sup>/μL</b> | <b>2.09 ± 0.70 × 10<sup>9</sup>/μL</b> | <b>3.09 ± 1.38 × 10<sup>3</sup>/μL</b>  | <b>3.09 ± 1.38 × 10<sup>9</sup>/μL</b>  |
| <b>Mon#</b>          | <b>0.20 ± 0.16 × 10<sup>3</sup>/μL</b> | <b>0.20 ± 0.16 × 10<sup>9</sup>/L</b>  | <b>0.54 ± 0.39 × 10<sup>3</sup>/μL</b> | <b>0.54 ± 0.39 × 10<sup>9</sup>/μL</b> | <b>1.03 ± 0.86 × 10<sup>3</sup>/μL</b>  | <b>1.03 ± 0.86 × 10<sup>9</sup>/μL</b>  |
| <b>Eos#</b>          | <b>0.17 ± 0.13 × 10<sup>3</sup>/μL</b> | <b>0.17 ± 0.13 × 10<sup>9</sup>/L</b>  | <b>0.62 ± 0.47 × 10<sup>3</sup>/μL</b> | <b>0.62 ± 0.47 × 10<sup>9</sup>/μL</b> | <b>1.63 ± 1.38 × 10<sup>3</sup>/μL</b>  | <b>1.63 ± 1.38 × 10<sup>9</sup>/μL</b>  |
| <b>Bas#</b>          | <b>0.73 ± 0.31 × 10<sup>3</sup>/μL</b> | <b>0.73 ± 0.31 × 10<sup>9</sup>/L</b>  | <b>2.13 ± 0.78 × 10<sup>3</sup>/μL</b> | <b>2.13 ± 0.78 × 10<sup>9</sup>/μL</b> | <b>5.23 ± 1.72 × 10<sup>3</sup>/μL</b>  | <b>5.23 ± 1.72 × 10<sup>9</sup>/μL</b>  |
| <b>Neu%</b>          | <b>52.0 ± 9.0 %</b>                    | <b>52.0 ± 9.0 %</b>                    | <b>58.0 ± 9.0 %</b>                    | <b>58.0 ± 9.0 %</b>                    | <b>66.5 ± 9.0 %</b>                     | <b>66.5 ± 9.0 %</b>                     |
| <b>Lym%</b>          | <b>36.0 ± 9.0 %</b>                    | <b>36.0 ± 9.0 %</b>                    | <b>27.0 ± 9.0 %</b>                    | <b>27.0 ± 9.0 %</b>                    | <b>18.0 ± 8.0 %</b>                     | <b>18.0 ± 8.0 %</b>                     |
| <b>Mon%</b>          | <b>6.5 ± 5.0 %</b>                     | <b>6.5 ± 5.0 %</b>                     | <b>7.0 ± 5.0 %</b>                     | <b>7.0 ± 5.0 %</b>                     | <b>6.0 ± 5.0 %</b>                      | <b>6.0 ± 5.0 %</b>                      |
| <b>Eos%</b>          | <b>5.5 ± 4.0 %</b>                     | <b>5.5 ± 4.0 %</b>                     | <b>8.0 ± 6.0 %</b>                     | <b>8.0 ± 6.0 %</b>                     | <b>9.5 ± 8.0 %</b>                      | <b>9.5 ± 8.0 %</b>                      |
| <b>Bas%</b>          | <b>23.5 ± 10.0 %</b>                   | <b>23.5 ± 10.0 %</b>                   | <b>27.5 ± 10.0 %</b>                   | <b>27.5 ± 10.0 %</b>                   | <b>30.5 ± 10.0 %</b>                    | <b>30.5 ± 10.0 %</b>                    |
| <b>RBC</b>           | <b>2.13 ± 0.18 × 10<sup>6</sup>/μL</b> | <b>2.13 ± 0.18 × 10<sup>12</sup>/L</b> | <b>3.98 ± 0.24 × 10<sup>6</sup>/μL</b> | <b>3.98 ± 0.24 × 10<sup>12</sup>/L</b> | <b>4.78 ± 0.30 × 10<sup>6</sup>/μL</b>  | <b>4.78 ± 0.30 × 10<sup>12</sup>/L</b>  |
| <b>HGB</b>           | <b>5.4 ± 0.4 g/dL</b>                  | <b>54 ± 4 g/L</b>                      | <b>11.7 ± 0.6 g/dL</b>                 | <b>117 ± 6 g/L</b>                     | <b>15.2 ± 0.8 g/dL</b>                  | <b>152 ± 8 g/L</b>                      |
| <b>HCT</b>           | <b>17.3 ± 1.5 %</b>                    | <b>17.3 ± 1.5 %</b>                    | <b>37.0 ± 2.0 %</b>                    | <b>37.0 ± 2.0 %</b>                    | <b>48.8 ± 2.4 %</b>                     | <b>48.8 ± 2.4 %</b>                     |
| <b>MCV</b>           | <b>81.0 ± 5.0 fL</b>                   | <b>81.0 ± 5.0 fL</b>                   | <b>93.0 ± 5.0 fL</b>                   | <b>93.0 ± 5.0 fL</b>                   | <b>102.0 ± 5.0 fL</b>                   | <b>102.0 ± 5.0 fL</b>                   |
| <b>MCH</b>           | <b>25.4 ± 2.5 pg</b>                   | <b>25.4 ± 2.5 pg</b>                   | <b>29.4 ± 2.5 pg</b>                   | <b>29.4 ± 2.5 pg</b>                   | <b>31.8 ± 2.5 pg</b>                    | <b>31.8 ± 2.5 pg</b>                    |
| <b>MCHC</b>          | <b>31.3 ± 3.0 g/dL</b>                 | <b>313 ± 30 g/L</b>                    | <b>31.6 ± 3.0 g/dL</b>                 | <b>316 ± 30 g/L</b>                    | <b>31.2 ± 3.0 g/dL</b>                  | <b>312 ± 30 g/L</b>                     |
| <b>RDW-CV</b>        | <b>16.0 ± 3.0 %</b>                    | <b>16.0 ± 3.0 %</b>                    | <b>13.5 ± 3.0 %</b>                    | <b>13.5 ± 3.0 %</b>                    | <b>12.5 ± 3.0 %</b>                     | <b>12.5 ± 3.0 %</b>                     |
| <b>RDW-SD</b>        | <b>49.0 ± 8.0 fL</b>                   | <b>49.0 ± 8.0 fL</b>                   | <b>48.0 ± 8.0 fL</b>                   | <b>48.0 ± 8.0 fL</b>                   | <b>49.0 ± 8.0 fL</b>                    | <b>49.0 ± 8.0 fL</b>                    |
| <b>PLT</b>           | <b>48 ± 20 × 10<sup>3</sup>/μL</b>     | <b>48 ± 20 × 10<sup>9</sup>/L</b>      | <b>248 ± 40 × 10<sup>3</sup>/μL</b>    | <b>248 ± 40 × 10<sup>9</sup>/L</b>     | <b>496 ± 60 × 10<sup>3</sup>/μL</b>     | <b>496 ± 60 × 10<sup>9</sup>/L</b>      |
| <b>MPV</b>           | <b>10.1 ± 3.0 fL</b>                   | <b>10.1 ± 3.0 fL</b>                   | <b>10.8 ± 3.0 fL</b>                   | <b>10.8 ± 3.0 fL</b>                   | <b>10.8 ± 3.0 fL</b>                    | <b>10.8 ± 3.0 fL</b>                    |

Before using, refer to the instruction sheet for mixing directions.

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