

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC2301B****2023-03-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low <b>LOT</b> BC2301BL		Normal <b>LOT</b> BC2301BN		High <b>LOT</b> BC2301BH	
	The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
<b>BC-5390</b> WBC	<b>3.25 ± 0.50</b> × 10 <sup>3</sup> /μL	<b>3.25 ± 0.50</b> × 10 <sup>9</sup> /L	<b>7.80 ± 1.00</b> × 10 <sup>3</sup> /μL	<b>7.80 ± 1.00</b> × 10 <sup>9</sup> /L	<b>17.00 ± 2.50</b> × 10 <sup>3</sup> /μL	<b>17.00 ± 2.50</b> × 10 <sup>9</sup> /L
<b>QC Mode</b> Neu#	<b>1.69 ± 0.30</b> × 10 <sup>3</sup> /μL	<b>1.69 ± 0.30</b> × 10 <sup>9</sup> /L	<b>4.60 ± 0.71</b> × 10 <sup>3</sup> /μL	<b>4.60 ± 0.71</b> × 10 <sup>9</sup> /μL	<b>11.05 ± 1.53</b> × 10 <sup>3</sup> /μL	<b>11.05 ± 1.53</b> × 10 <sup>9</sup> /μL
Lym#	<b>1.25 ± 0.30</b> × 10 <sup>3</sup> /μL	<b>1.25 ± 0.30</b> × 10 <sup>9</sup> /L	<b>2.03 ± 0.71</b> × 10 <sup>3</sup> /μL	<b>2.03 ± 0.71</b> × 10 <sup>9</sup> /μL	<b>3.23 ± 1.36</b> × 10 <sup>3</sup> /μL	<b>3.23 ± 1.36</b> × 10 <sup>9</sup> /μL
Mon#	<b>0.13 ± 0.13</b> × 10 <sup>3</sup> /μL	<b>0.13 ± 0.13</b> × 10 <sup>9</sup> /L	<b>0.55 ± 0.48</b> × 10 <sup>3</sup> /μL	<b>0.55 ± 0.48</b> × 10 <sup>9</sup> /μL	<b>1.02 ± 0.85</b> × 10 <sup>3</sup> /μL	<b>1.02 ± 0.85</b> × 10 <sup>9</sup> /μL
Eos#	<b>0.18 ± 0.14</b> × 10 <sup>3</sup> /μL	<b>0.18 ± 0.14</b> × 10 <sup>9</sup> /L	<b>0.62 ± 0.47</b> × 10 <sup>3</sup> /μL	<b>0.62 ± 0.47</b> × 10 <sup>9</sup> /μL	<b>1.70 ± 1.36</b> × 10 <sup>3</sup> /μL	<b>1.70 ± 1.36</b> × 10 <sup>9</sup> /μL
Bas#	<b>0.81 ± 0.33</b> × 10 <sup>3</sup> /μL	<b>0.81 ± 0.33</b> × 10 <sup>9</sup> /L	<b>2.18 ± 0.78</b> × 10 <sup>3</sup> /μL	<b>2.18 ± 0.78</b> × 10 <sup>9</sup> /μL	<b>5.27 ± 1.70</b> × 10 <sup>3</sup> /μL	<b>5.27 ± 1.70</b> × 10 <sup>9</sup> /μL
Neu%	<b>52.0 ± 9.0</b> %	<b>52.0 ± 9.0</b> %	<b>59.0 ± 9.0</b> %	<b>59.0 ± 9.0</b> %	<b>65.0 ± 9.0</b> %	<b>65.0 ± 9.0</b> %
Lym%	<b>38.5 ± 9.0</b> %	<b>38.5 ± 9.0</b> %	<b>26.0 ± 9.0</b> %	<b>26.0 ± 9.0</b> %	<b>19.0 ± 8.0</b> %	<b>19.0 ± 8.0</b> %
Mon%	<b>4.0 ± 4.0</b> %	<b>4.0 ± 4.0</b> %	<b>7.0 ± 6.0</b> %	<b>7.0 ± 6.0</b> %	<b>6.0 ± 5.0</b> %	<b>6.0 ± 5.0</b> %
Eos%	<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>10.0 ± 8.0</b> %	<b>10.0 ± 8.0</b> %
Bas%	<b>25.0 ± 10.0</b> %	<b>25.0 ± 10.0</b> %	<b>28.0 ± 10.0</b> %	<b>28.0 ± 10.0</b> %	<b>31.0 ± 10.0</b> %	<b>31.0 ± 10.0</b> %
RBC	<b>2.15 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>2.15 ± 0.18</b> × 10 <sup>12</sup> /L	<b>4.17 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>4.17 ± 0.24</b> × 10 <sup>12</sup> /L	<b>5.00 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>5.00 ± 0.30</b> × 10 <sup>12</sup> /L
HGB	<b>5.5 ± 0.4</b> g/dL	<b>55 ± 4</b> g/L	<b>12.2 ± 0.6</b> g/dL	<b>122 ± 6</b> g/L	<b>15.8 ± 0.8</b> g/dL	<b>158 ± 8</b> g/L
HCT	<b>17.4 ± 1.5</b> %	<b>17.4 ± 1.5</b> %	<b>38.8 ± 2.0</b> %	<b>38.8 ± 2.0</b> %	<b>50.8 ± 2.4</b> %	<b>50.8 ± 2.4</b> %
MCV	<b>81.0 ± 5.0</b> fL	<b>81.0 ± 5.0</b> fL	<b>93.0 ± 5.0</b> fL	<b>93.0 ± 5.0</b> fL	<b>101.5 ± 5.0</b> fL	<b>101.5 ± 5.0</b> fL
MCH	<b>25.6 ± 2.5</b> pg	<b>25.6 ± 2.5</b> pg	<b>29.3 ± 2.5</b> pg	<b>29.3 ± 2.5</b> pg	<b>31.6 ± 2.5</b> pg	<b>31.6 ± 2.5</b> pg
MCHC	<b>31.6 ± 3.0</b> g/dL	<b>316 ± 30</b> g/L	<b>31.5 ± 3.0</b> g/dL	<b>315 ± 30</b> g/L	<b>31.1 ± 3.0</b> g/dL	<b>311 ± 30</b> g/L
RDW-CV	<b>15.0 ± 3.0</b> %	<b>15.0 ± 3.0</b> %	<b>14.0 ± 3.0</b> %	<b>14.0 ± 3.0</b> %	<b>13.0 ± 3.0</b> %	<b>13.0 ± 3.0</b> %
RDW-SD	<b>48.0 ± 8.0</b> fL	<b>48.0 ± 8.0</b> fL	<b>48.5 ± 8.0</b> fL	<b>48.5 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL
PLT	<b>48 ± 20</b> × 10 <sup>3</sup> /μL	<b>48 ± 20</b> × 10 <sup>9</sup> /L	<b>240 ± 40</b> × 10 <sup>3</sup> /μL	<b>240 ± 40</b> × 10 <sup>9</sup> /L	<b>494 ± 60</b> × 10 <sup>3</sup> /μL	<b>494 ± 60</b> × 10 <sup>9</sup> /L
MPV	<b>12.5 ± 3.0</b> fL	<b>12.5 ± 3.0</b> fL	<b>12.1 ± 3.0</b> fL	<b>12.1 ± 3.0</b> fL	<b>11.5 ± 3.0</b> fL	<b>11.5 ± 3.0</b> fL

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

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