

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC2011B****2021-01-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low <b>LOT</b> BC2011BL		Normal <b>LOT</b> BC2011BN		High <b>LOT</b> BC2011BH	
	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>3.20 ± 0.50</b> × 10 <sup>3</sup> /μL	<b>3.20 ± 0.50</b> × 10 <sup>9</sup> /L	<b>7.60 ± 1.00</b> × 10 <sup>3</sup> /μL	<b>7.60 ± 1.00</b> × 10 <sup>9</sup> /L	<b>17.25 ± 2.50</b> × 10 <sup>3</sup> /μL	<b>17.25 ± 2.50</b> × 10 <sup>9</sup> /L
<b>QC Mode</b> Neu#	<b>1.65 ± 0.29</b> × 10 <sup>3</sup> /μL	<b>1.65 ± 0.29</b> × 10 <sup>9</sup> /L	<b>4.56 ± 0.69</b> × 10 <sup>3</sup> /μL	<b>4.56 ± 0.69</b> × 10 <sup>9</sup> /μL	<b>11.21 ± 1.56</b> × 10 <sup>3</sup> /μL	<b>11.21 ± 1.56</b> × 10 <sup>9</sup> /μL
Lym#	<b>1.10 ± 0.29</b> × 10 <sup>3</sup> /μL	<b>1.10 ± 0.29</b> × 10 <sup>9</sup> /L	<b>2.01 ± 0.61</b> × 10 <sup>3</sup> /μL	<b>2.01 ± 0.61</b> × 10 <sup>9</sup> /μL	<b>3.19 ± 1.21</b> × 10 <sup>3</sup> /μL	<b>3.19 ± 1.21</b> × 10 <sup>9</sup> /μL
Mon#	<b>0.24 ± 0.20</b> × 10 <sup>3</sup> /μL	<b>0.24 ± 0.20</b> × 10 <sup>9</sup> /L	<b>0.53 ± 0.46</b> × 10 <sup>3</sup> /μL	<b>0.53 ± 0.46</b> × 10 <sup>9</sup> /μL	<b>1.12 ± 0.87</b> × 10 <sup>3</sup> /μL	<b>1.12 ± 0.87</b> × 10 <sup>9</sup> /μL
Eos#	<b>0.21 ± 0.17</b> × 10 <sup>3</sup> /μL	<b>0.21 ± 0.17</b> × 10 <sup>9</sup> /L	<b>0.49 ± 0.38</b> × 10 <sup>3</sup> /μL	<b>0.49 ± 0.38</b> × 10 <sup>9</sup> /μL	<b>1.73 ± 1.39</b> × 10 <sup>3</sup> /μL	<b>1.73 ± 1.39</b> × 10 <sup>9</sup> /μL
Bas#	<b>0.84 ± 0.33</b> × 10 <sup>3</sup> /μL	<b>0.84 ± 0.33</b> × 10 <sup>9</sup> /L	<b>2.14 ± 0.76</b> × 10 <sup>3</sup> /μL	<b>2.14 ± 0.76</b> × 10 <sup>9</sup> /μL	<b>5.30 ± 1.73</b> × 10 <sup>3</sup> /μL	<b>5.30 ± 1.73</b> × 10 <sup>9</sup> /μL
Neu%	<b>51.5 ± 9.0</b> %	<b>51.5 ± 9.0</b> %	<b>60.0 ± 9.0</b> %	<b>60.0 ± 9.0</b> %	<b>65.0 ± 9.0</b> %	<b>65.0 ± 9.0</b> %
Lym%	<b>34.5 ± 9.0</b> %	<b>34.5 ± 9.0</b> %	<b>26.5 ± 8.0</b> %	<b>26.5 ± 8.0</b> %	<b>18.5 ± 7.0</b> %	<b>18.5 ± 7.0</b> %
Mon%	<b>7.5 ± 6.0</b> %	<b>7.5 ± 6.0</b> %	<b>7.0 ± 6.0</b> %	<b>7.0 ± 6.0</b> %	<b>6.5 ± 5.0</b> %	<b>6.5 ± 5.0</b> %
Eos%	<b>6.5 ± 5.0</b> %	<b>6.5 ± 5.0</b> %	<b>6.5 ± 5.0</b> %	<b>6.5 ± 5.0</b> %	<b>10.0 ± 8.0</b> %	<b>10.0 ± 8.0</b> %
Bas%	<b>26.1 ± 10.0</b> %	<b>26.1 ± 10.0</b> %	<b>28.2 ± 10.0</b> %	<b>28.2 ± 10.0</b> %	<b>30.7 ± 10.0</b> %	<b>30.7 ± 10.0</b> %
RBC	<b>1.95 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>1.95 ± 0.18</b> × 10 <sup>12</sup> /L	<b>4.08 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>4.08 ± 0.24</b> × 10 <sup>12</sup> /L	<b>4.92 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>4.92 ± 0.30</b> × 10 <sup>12</sup> /L
HGB	<b>5.3 ± 0.4</b> g/dL	<b>53 ± 4</b> g/L	<b>12.4 ± 0.6</b> g/dL	<b>124 ± 6</b> g/L	<b>15.7 ± 0.8</b> g/dL	<b>157 ± 8</b> g/L
HCT	<b>16.9 ± 1.5</b> %	<b>16.9 ± 1.5</b> %	<b>39.0 ± 2.0</b> %	<b>39.0 ± 2.0</b> %	<b>50.2 ± 2.4</b> %	<b>50.2 ± 2.4</b> %
MCV	<b>86.5 ± 5.0</b> fL	<b>86.5 ± 5.0</b> fL	<b>95.5 ± 5.0</b> fL	<b>95.5 ± 5.0</b> fL	<b>102.0 ± 5.0</b> fL	<b>102.0 ± 5.0</b> fL
MCH	<b>27.2 ± 2.5</b> pg	<b>27.2 ± 2.5</b> pg	<b>30.4 ± 2.5</b> pg	<b>30.4 ± 2.5</b> pg	<b>31.9 ± 2.5</b> pg	<b>31.9 ± 2.5</b> pg
MCHC	<b>31.4 ± 3.0</b> g/dL	<b>314 ± 30</b> g/L	<b>31.8 ± 3.0</b> g/dL	<b>318 ± 30</b> g/L	<b>31.3 ± 3.0</b> g/dL	<b>313 ± 30</b> g/L
RDW-CV	<b>14.5 ± 3.0</b> %	<b>14.5 ± 3.0</b> %	<b>13.5 ± 3.0</b> %	<b>13.5 ± 3.0</b> %	<b>13.0 ± 3.0</b> %	<b>13.0 ± 3.0</b> %
RDW-SD	<b>46.5 ± 8.0</b> fL	<b>46.5 ± 8.0</b> fL	<b>48.0 ± 8.0</b> fL	<b>48.0 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL
PLT	<b>50 ± 20</b> × 10 <sup>3</sup> /μL	<b>50 ± 20</b> × 10 <sup>9</sup> /L	<b>236 ± 40</b> × 10 <sup>3</sup> /μL	<b>236 ± 40</b> × 10 <sup>9</sup> /L	<b>482 ± 60</b> × 10 <sup>3</sup> /μL	<b>482 ± 60</b> × 10 <sup>9</sup> /L
MPV	<b>9.9 ± 3.0</b> fL	<b>9.9 ± 3.0</b> fL	<b>11.2 ± 3.0</b> fL	<b>11.2 ± 3.0</b> fL	<b>12.2 ± 3.0</b> fL	<b>12.2 ± 3.0</b> fL

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

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