

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC2305B****2023-07-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low <b>LOT BC2305BL</b>		Normal <b>LOT BC2305BN</b>		High <b>LOT BC2305BH</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>3.30 ± 0.50</b> × 10 <sup>3</sup> /μL	<b>3.30 ± 0.50</b> × 10 <sup>9</sup> /L	<b>7.90 ± 1.00</b> × 10 <sup>3</sup> /μL	<b>7.90 ± 1.00</b> × 10 <sup>9</sup> /L	<b>16.95 ± 2.50</b> × 10 <sup>3</sup> /μL	<b>16.95 ± 2.50</b> × 10 <sup>9</sup> /L
<b>QC Mode Neu#</b>	<b>1.73 ± 0.30</b> × 10 <sup>3</sup> /μL	<b>1.73 ± 0.30</b> × 10 <sup>9</sup> /L	<b>4.74 ± 0.72</b> × 10 <sup>3</sup> /μL	<b>4.74 ± 0.72</b> × 10 <sup>9</sup> /μL	<b>11.44 ± 1.53</b> × 10 <sup>3</sup> /μL	<b>11.44 ± 1.53</b> × 10 <sup>9</sup> /μL
<b>Lym#</b>	<b>1.20 ± 0.30</b> × 10 <sup>3</sup> /μL	<b>1.20 ± 0.30</b> × 10 <sup>9</sup> /L	<b>2.09 ± 0.71</b> × 10 <sup>3</sup> /μL	<b>2.09 ± 0.71</b> × 10 <sup>9</sup> /μL	<b>3.05 ± 1.36</b> × 10 <sup>3</sup> /μL	<b>3.05 ± 1.36</b> × 10 <sup>9</sup> /μL
<b>Mon#</b>	<b>0.18 ± 0.13</b> × 10 <sup>3</sup> /μL	<b>0.18 ± 0.13</b> × 10 <sup>9</sup> /L	<b>0.47 ± 0.40</b> × 10 <sup>3</sup> /μL	<b>0.47 ± 0.40</b> × 10 <sup>9</sup> /μL	<b>0.85 ± 0.68</b> × 10 <sup>3</sup> /μL	<b>0.85 ± 0.68</b> × 10 <sup>9</sup> /μL
<b>Eos#</b>	<b>0.18 ± 0.13</b> × 10 <sup>3</sup> /μL	<b>0.18 ± 0.13</b> × 10 <sup>9</sup> /L	<b>0.59 ± 0.48</b> × 10 <sup>3</sup> /μL	<b>0.59 ± 0.48</b> × 10 <sup>9</sup> /μL	<b>1.61 ± 1.36</b> × 10 <sup>3</sup> /μL	<b>1.61 ± 1.36</b> × 10 <sup>9</sup> /μL
<b>Bas#</b>	<b>0.74 ± 0.33</b> × 10 <sup>3</sup> /μL	<b>0.74 ± 0.33</b> × 10 <sup>9</sup> /L	<b>2.17 ± 0.79</b> × 10 <sup>3</sup> /μL	<b>2.17 ± 0.79</b> × 10 <sup>9</sup> /μL	<b>5.20 ± 1.70</b> × 10 <sup>3</sup> /μL	<b>5.20 ± 1.70</b> × 10 <sup>9</sup> /μL
<b>Neu%</b>	<b>52.5 ± 9.0</b> %	<b>52.5 ± 9.0</b> %	<b>60.0 ± 9.0</b> %	<b>60.0 ± 9.0</b> %	<b>67.5 ± 9.0</b> %	<b>67.5 ± 9.0</b> %
<b>Lym%</b>	<b>36.5 ± 9.0</b> %	<b>36.5 ± 9.0</b> %	<b>26.5 ± 9.0</b> %	<b>26.5 ± 9.0</b> %	<b>18.0 ± 8.0</b> %	<b>18.0 ± 8.0</b> %
<b>Mon%</b>	<b>5.5 ± 4.0</b> %	<b>5.5 ± 4.0</b> %	<b>6.0 ± 5.0</b> %	<b>6.0 ± 5.0</b> %	<b>5.0 ± 4.0</b> %	<b>5.0 ± 4.0</b> %
<b>Eos%</b>	<b>5.5 ± 4.0</b> %	<b>5.5 ± 4.0</b> %	<b>7.5 ± 6.0</b> %	<b>7.5 ± 6.0</b> %	<b>9.5 ± 8.0</b> %	<b>9.5 ± 8.0</b> %
<b>Bas%</b>	<b>22.5 ± 10.0</b> %	<b>22.5 ± 10.0</b> %	<b>27.5 ± 10.0</b> %	<b>27.5 ± 10.0</b> %	<b>30.7 ± 10.0</b> %	<b>30.7 ± 10.0</b> %
<b>RBC</b>	<b>2.01 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>2.01 ± 0.18</b> × 10 <sup>12</sup> /L	<b>3.93 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>3.93 ± 0.24</b> × 10 <sup>12</sup> /L	<b>4.71 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>4.71 ± 0.30</b> × 10 <sup>12</sup> /L
<b>HGB</b>	<b>5.2 ± 0.4</b> g/dL	<b>52 ± 4</b> g/L	<b>11.7 ± 0.6</b> g/dL	<b>117 ± 6</b> g/L	<b>15.0 ± 0.8</b> g/dL	<b>150 ± 8</b> g/L
<b>HCT</b>	<b>16.7 ± 1.5</b> %	<b>16.7 ± 1.5</b> %	<b>36.9 ± 2.0</b> %	<b>36.9 ± 2.0</b> %	<b>48.0 ± 2.4</b> %	<b>48.0 ± 2.4</b> %
<b>MCV</b>	<b>83.0 ± 5.0</b> fL	<b>83.0 ± 5.0</b> fL	<b>94.0 ± 5.0</b> fL	<b>94.0 ± 5.0</b> fL	<b>102.0 ± 5.0</b> fL	<b>102.0 ± 5.0</b> fL
<b>MCH</b>	<b>25.9 ± 2.5</b> pg	<b>25.9 ± 2.5</b> pg	<b>29.8 ± 2.5</b> pg	<b>29.8 ± 2.5</b> pg	<b>31.8 ± 2.5</b> pg	<b>31.8 ± 2.5</b> pg
<b>MCHC</b>	<b>31.2 ± 3.0</b> g/dL	<b>312 ± 30</b> g/L	<b>31.7 ± 3.0</b> g/dL	<b>317 ± 30</b> g/L	<b>31.2 ± 3.0</b> g/dL	<b>312 ± 30</b> g/L
<b>RDW-CV</b>	<b>14.5 ± 3.0</b> %	<b>14.5 ± 3.0</b> %	<b>13.0 ± 3.0</b> %	<b>13.0 ± 3.0</b> %	<b>13.0 ± 3.0</b> %	<b>13.0 ± 3.0</b> %
<b>RDW-SD</b>	<b>47.5 ± 8.0</b> fL	<b>47.5 ± 8.0</b> fL	<b>47.5 ± 8.0</b> fL	<b>47.5 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL
<b>PLT</b>	<b>49 ± 20</b> × 10 <sup>3</sup> /μL	<b>49 ± 20</b> × 10 <sup>9</sup> /L	<b>251 ± 40</b> × 10 <sup>3</sup> /μL	<b>251 ± 40</b> × 10 <sup>9</sup> /L	<b>491 ± 60</b> × 10 <sup>3</sup> /μL	<b>491 ± 60</b> × 10 <sup>9</sup> /L
<b>MPV</b>	<b>12.7 ± 3.0</b> fL	<b>12.7 ± 3.0</b> fL	<b>10.9 ± 3.0</b> fL	<b>10.9 ± 3.0</b> fL	<b>10.4 ± 3.0</b> fL	<b>10.4 ± 3.0</b> fL

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

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