

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC1909B****2019-11-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low <b>LOT</b> BC1909BL		Normal <b>LOT</b> BC1909BN		High <b>LOT</b> BC1909BH	
	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>3.35 ± 0.50</b> × 10 <sup>3</sup> /μL	<b>3.35 ± 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>17.70 ± 2.50</b> × 10 <sup>3</sup> /μL	<b>17.70 ± 2.50</b> × 10 <sup>9</sup> /L
<b>QC Mode Neu#</b>	<b>1.73 ± 0.31</b> × 10 <sup>3</sup> /μL	<b>1.73 ± 0.31</b> × 10 <sup>9</sup> /L	<b>4.58 ± 0.64</b> × 10 <sup>3</sup> /μL	<b>4.58 ± 0.64</b> × 10 <sup>9</sup> /μL	<b>11.59 ± 1.60</b> × 10 <sup>3</sup> /μL	<b>11.59 ± 1.60</b> × 10 <sup>9</sup> /μL
<b>Lym#</b>	<b>1.19 ± 0.31</b> × 10 <sup>3</sup> /μL	<b>1.19 ± 0.31</b> × 10 <sup>9</sup> /L	<b>2.13 ± 0.64</b> × 10 <sup>3</sup> /μL	<b>2.13 ± 0.64</b> × 10 <sup>9</sup> /μL	<b>3.36 ± 1.24</b> × 10 <sup>3</sup> /μL	<b>3.36 ± 1.24</b> × 10 <sup>9</sup> /μL
<b>Mon#</b>	<b>0.23 ± 0.20</b> × 10 <sup>3</sup> /μL	<b>0.23 ± 0.20</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>1.06 ± 0.89</b> × 10 <sup>3</sup> /μL	<b>1.06 ± 0.89</b> × 10 <sup>9</sup> /μL
<b>Eos#</b>	<b>0.20 ± 0.17</b> × 10 <sup>3</sup> /μL	<b>0.20 ± 0.17</b> × 10 <sup>9</sup> /L	<b>0.63 ± 0.48</b> × 10 <sup>3</sup> /μL	<b>0.63 ± 0.48</b> × 10 <sup>9</sup> /μL	<b>1.68 ± 1.42</b> × 10 <sup>3</sup> /μL	<b>1.68 ± 1.42</b> × 10 <sup>9</sup> /μL
<b>Bas#</b>	<b>0.82 ± 0.34</b> × 10 <sup>3</sup> /μL	<b>0.82 ± 0.34</b> × 10 <sup>9</sup> /L	<b>2.24 ± 0.79</b> × 10 <sup>3</sup> /μL	<b>2.24 ± 0.79</b> × 10 <sup>9</sup> /μL	<b>5.43 ± 1.77</b> × 10 <sup>3</sup> /μL	<b>5.43 ± 1.77</b> × 10 <sup>9</sup> /μL
<b>Neu%</b>	<b>51.5 ± 9.0</b> %	<b>51.5 ± 9.0</b> %	<b>58.0 ± 8.0</b> %	<b>58.0 ± 8.0</b> %	<b>65.5 ± 9.0</b> %	<b>65.5 ± 9.0</b> %
<b>Lym%</b>	<b>35.5 ± 9.0</b> %	<b>35.5 ± 9.0</b> %	<b>27.0 ± 8.0</b> %	<b>27.0 ± 8.0</b> %	<b>19.0 ± 7.0</b> %	<b>19.0 ± 7.0</b> %
<b>Mon%</b>	<b>7.0 ± 6.0</b> %	<b>7.0 ± 6.0</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> %
<b>Eos%</b>	<b>6.0 ± 5.0</b> %	<b>6.0 ± 5.0</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>24.6 ± 10.0</b> %	<b>24.6 ± 10.0</b> %	<b>28.4 ± 10.0</b> %	<b>28.4 ± 10.0</b> %	<b>30.7 ± 10.0</b> %	<b>30.7 ± 10.0</b> %
<b>RBC</b>	<b>2.09 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>2.09 ± 0.18</b> × 10 <sup>12</sup> /L	<b>4.11 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>4.11 ± 0.24</b> × 10 <sup>12</sup> /L	<b>4.86 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>4.86 ± 0.30</b> × 10 <sup>12</sup> /L
<b>HGB</b>	<b>5.3 ± 0.4</b> g/dL	<b>53 ± 4</b> g/L	<b>12.3 ± 0.6</b> g/dL	<b>123 ± 6</b> g/L	<b>15.7 ± 0.8</b> g/dL	<b>157 ± 8</b> g/L
<b>HCT</b>	<b>17.2 ± 1.5</b> %	<b>17.2 ± 1.5</b> %	<b>39.0 ± 2.0</b> %	<b>39.0 ± 2.0</b> %	<b>50.1 ± 2.4</b> %	<b>50.1 ± 2.4</b> %
<b>MCV</b>	<b>82.5 ± 5.0</b> fL	<b>82.5 ± 5.0</b> fL	<b>95.0 ± 5.0</b> fL	<b>95.0 ± 5.0</b> fL	<b>103.0 ± 5.0</b> fL	<b>103.0 ± 5.0</b> fL
<b>MCH</b>	<b>25.4 ± 2.5</b> pg	<b>25.4 ± 2.5</b> pg	<b>29.9 ± 2.5</b> pg	<b>29.9 ± 2.5</b> pg	<b>32.3 ± 2.5</b> pg	<b>32.3 ± 2.5</b> pg
<b>MCHC</b>	<b>30.7 ± 3.0</b> g/dL	<b>307 ± 30</b> g/L	<b>31.5 ± 3.0</b> g/dL	<b>315 ± 30</b> g/L	<b>31.4 ± 3.0</b> g/dL	<b>314 ± 30</b> g/L
<b>RDW-CV</b>	<b>15.0 ± 3.0</b> %	<b>15.0 ± 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> %
<b>RDW-SD</b>	<b>47.0 ± 8.0</b> fL	<b>47.0 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL	<b>50.0 ± 8.0</b> fL	<b>51.0 ± 8.0</b> fL	<b>51.0 ± 8.0</b> fL
<b>PLT</b>	<b>51 ± 20</b> × 10 <sup>3</sup> /μL	<b>51 ± 20</b> × 10 <sup>9</sup> /L	<b>238 ± 40</b> × 10 <sup>3</sup> /μL	<b>238 ± 40</b> × 10 <sup>9</sup> /L	<b>455 ± 60</b> × 10 <sup>3</sup> /μL	<b>455 ± 60</b> × 10 <sup>9</sup> /L
<b>MPV</b>	<b>9.8 ± 3.0</b> fL	<b>9.8 ± 3.0</b> fL	<b>10.4 ± 3.0</b> fL	<b>10.4 ± 3.0</b> fL	<b>10.3 ± 3.0</b> fL	<b>10.3 ± 3.0</b> fL

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

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