

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT** BC2203B

2022-05-10

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	The U.S. Units	Low BC2203BL		Normal BC2203BN		High BC2203BH	
		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>3.30 ± 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>17.35 ± 2.50</b> × 10 <sup>3</sup> /μL	<b>17.35 ± 2.50</b> × 10 <sup>9</sup> /L	
<b>QC Mode</b> Neu#	<b>1.73 ± 0.30</b> × 10 <sup>3</sup> /μL	<b>1.73 ± 0.30</b> × 10 <sup>9</sup> /L	<b>4.62 ± 0.71</b> × 10 <sup>3</sup> /μL	<b>4.62 ± 0.71</b> × 10 <sup>9</sup> /μL	<b>11.54 ± 1.56</b> × 10 <sup>3</sup> /μL	<b>11.54 ± 1.56</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>2.13 ± 0.71</b> × 10 <sup>3</sup> /μL	<b>2.13 ± 0.71</b> × 10 <sup>9</sup> /μL	<b>3.04 ± 1.22</b> × 10 <sup>3</sup> /μL	<b>3.04 ± 1.22</b> × 10 <sup>9</sup> /μL	
Mon#	<b>0.13 ± 0.10</b> × 10 <sup>3</sup> /μL	<b>0.13 ± 0.10</b> × 10 <sup>9</sup> /L	<b>0.51 ± 0.47</b> × 10 <sup>3</sup> /μL	<b>0.51 ± 0.47</b> × 10 <sup>9</sup> /μL	<b>1.13 ± 1.04</b> × 10 <sup>3</sup> /μL	<b>1.13 ± 1.04</b> × 10 <sup>9</sup> /μL	
Eos#	<b>0.18 ± 0.16</b> × 10 <sup>3</sup> /μL	<b>0.18 ± 0.16</b> × 10 <sup>9</sup> /L	<b>0.63 ± 0.47</b> × 10 <sup>3</sup> /μL	<b>0.63 ± 0.47</b> × 10 <sup>9</sup> /μL	<b>1.65 ± 1.39</b> × 10 <sup>3</sup> /μL	<b>1.65 ± 1.39</b> × 10 <sup>9</sup> /μL	
Bas#	<b>0.89 ± 0.33</b> × 10 <sup>3</sup> /μL	<b>0.89 ± 0.33</b> × 10 <sup>9</sup> /L	<b>2.21 ± 0.80</b> × 10 <sup>3</sup> /μL	<b>2.21 ± 0.80</b> × 10 <sup>9</sup> /μL	<b>5.34 ± 1.73</b> × 10 <sup>3</sup> /μL	<b>5.34 ± 1.73</b> × 10 <sup>9</sup> /μL	
Neu%	<b>52.5 ± 9.0</b> %	<b>52.5 ± 9.0</b> %	<b>58.5 ± 9.0</b> %	<b>58.5 ± 9.0</b> %	<b>66.5 ± 9.0</b> %	<b>66.5 ± 9.0</b> %	
Lym%	<b>38.0 ± 9.0</b> %	<b>38.0 ± 9.0</b> %	<b>27.0 ± 9.0</b> %	<b>27.0 ± 9.0</b> %	<b>17.5 ± 7.0</b> %	<b>17.5 ± 7.0</b> %	
Mon%	<b>4.0 ± 3.0</b> %	<b>4.0 ± 3.0</b> %	<b>6.5 ± 6.0</b> %	<b>6.5 ± 6.0</b> %	<b>6.5 ± 6.0</b> %	<b>6.5 ± 6.0</b> %	
Eos%	<b>5.5 ± 5.0</b> %	<b>5.5 ± 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> %	
Bas%	<b>27.0 ± 10.0</b> %	<b>27.0 ± 10.0</b> %	<b>28.0 ± 10.0</b> %	<b>28.0 ± 10.0</b> %	<b>30.8 ± 10.0</b> %	<b>30.8 ± 10.0</b> %	
RBC	<b>2.05 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>2.05 ± 0.18</b> × 10 <sup>12</sup> /L	<b>4.15 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>4.15 ± 0.24</b> × 10 <sup>12</sup> /L	<b>4.94 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>4.94 ± 0.30</b> × 10 <sup>12</sup> /L	
HGB	<b>5.3 ± 0.4</b> g/dL	<b>53 ± 4</b> g/L	<b>12.1 ± 0.6</b> g/dL	<b>121 ± 6</b> g/L	<b>15.9 ± 0.8</b> g/dL	<b>159 ± 8</b> g/L	
HCT	<b>16.9 ± 1.5</b> %	<b>16.9 ± 1.5</b> %	<b>38.2 ± 2.0</b> %	<b>38.2 ± 2.0</b> %	<b>50.6 ± 2.4</b> %	<b>50.6 ± 2.4</b> %	
MCV	<b>82.5 ± 5.0</b> fL	<b>82.5 ± 5.0</b> fL	<b>92.0 ± 5.0</b> fL	<b>92.0 ± 5.0</b> fL	<b>102.5 ± 5.0</b> fL	<b>102.5 ± 5.0</b> fL	
MCH	<b>25.9 ± 2.5</b> pg	<b>25.9 ± 2.5</b> pg	<b>29.2 ± 2.5</b> pg	<b>29.2 ± 2.5</b> pg	<b>32.2 ± 2.5</b> pg	<b>32.2 ± 2.5</b> pg	
MCHC	<b>31.3 ± 3.0</b> g/dL	<b>313 ± 30</b> g/L	<b>31.7 ± 3.0</b> g/dL	<b>317 ± 30</b> g/L	<b>31.4 ± 3.0</b> g/dL	<b>314 ± 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>14.0 ± 3.0</b> %	<b>14.0 ± 3.0</b> %	
RDW-SD	<b>46.0 ± 8.0</b> fL	<b>46.0 ± 8.0</b> fL	<b>48.5 ± 8.0</b> fL	<b>48.5 ± 8.0</b> fL	<b>53.0 ± 8.0</b> fL	<b>53.0 ± 8.0</b> fL	
PLT	<b>54 ± 20</b> × 10 <sup>3</sup> /μL	<b>54 ± 20</b> × 10 <sup>9</sup> /L	<b>227 ± 40</b> × 10 <sup>3</sup> /μL	<b>227 ± 40</b> × 10 <sup>9</sup> /L	<b>497 ± 60</b> × 10 <sup>3</sup> /μL	<b>497 ± 60</b> × 10 <sup>9</sup> /L	
MPV	<b>13.3 ± 3.0</b> fL	<b>13.3 ± 3.0</b> fL	<b>10.4 ± 3.0</b> fL	<b>10.4 ± 3.0</b> fL	<b>12.0 ± 3.0</b> fL	<b>12.0 ± 3.0</b> fL	

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

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