

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC2005B** **2020-07-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	<b>LOT BC2005BL</b>		<b>Normal LOT BC2005BN</b>		<b>High LOT BC2005BH</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</b> WBC	<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</b> Neu#	<b>1.73 ± 0.31</b> × 10 <sup>3</sup> /μL	<b>1.73 ± 0.31</b> × 10 <sup>9</sup> /L	<b>4.54 ± 0.72</b> × 10 <sup>3</sup> /μL	<b>4.54 ± 0.72</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
Lym#	<b>1.22 ± 0.31</b> × 10 <sup>3</sup> /μL	<b>1.22 ± 0.31</b> × 10 <sup>9</sup> /L	<b>2.25 ± 0.64</b> × 10 <sup>3</sup> /μL	<b>2.25 ± 0.64</b> × 10 <sup>9</sup> /μL	<b>3.10 ± 1.24</b> × 10 <sup>3</sup> /μL	<b>3.10 ± 1.24</b> × 10 <sup>9</sup> /μL
Mon#	<b>0.23 ± 0.20</b> × 10 <sup>3</sup> /μL	<b>0.23 ± 0.20</b> × 10 <sup>9</sup> /L	<b>0.51 ± 0.40</b> × 10 <sup>3</sup> /μL	<b>0.51 ± 0.40</b> × 10 <sup>9</sup> /μL	<b>1.33 ± 1.07</b> × 10 <sup>3</sup> /μL	<b>1.33 ± 1.07</b> × 10 <sup>9</sup> /μL
Eos#	<b>0.17 ± 0.14</b> × 10 <sup>3</sup> /μL	<b>0.17 ± 0.14</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>1.68 ± 1.24</b> × 10 <sup>3</sup> /μL	<b>1.68 ± 1.24</b> × 10 <sup>9</sup> /μL
Bas#	<b>0.90 ± 0.34</b> × 10 <sup>3</sup> /μL	<b>0.90 ± 0.34</b> × 10 <sup>9</sup> /L	<b>2.27 ± 0.80</b> × 10 <sup>3</sup> /μL	<b>2.27 ± 0.80</b> × 10 <sup>9</sup> /μL	<b>5.47 ± 1.78</b> × 10 <sup>3</sup> /μL	<b>5.47 ± 1.78</b> × 10 <sup>9</sup> /μL
Neu%	<b>51.5 ± 9.0</b> %	<b>51.5 ± 9.0</b> %	<b>57.5 ± 9.0</b> %	<b>57.5 ± 9.0</b> %	<b>65.5 ± 9.0</b> %	<b>65.5 ± 9.0</b> %
Lym%	<b>36.5 ± 9.0</b> %	<b>36.5 ± 9.0</b> %	<b>28.5 ± 8.0</b> %	<b>28.5 ± 8.0</b> %	<b>17.5 ± 7.0</b> %	<b>17.5 ± 7.0</b> %
Mon%	<b>7.0 ± 6.0</b> %	<b>7.0 ± 6.0</b> %	<b>6.5 ± 5.0</b> %	<b>6.5 ± 5.0</b> %	<b>7.5 ± 6.0</b> %	<b>7.5 ± 6.0</b> %
Eos%	<b>5.0 ± 4.0</b> %	<b>5.0 ± 4.0</b> %	<b>7.5 ± 6.0</b> %	<b>7.5 ± 6.0</b> %	<b>9.5 ± 7.0</b> %	<b>9.5 ± 7.0</b> %
Bas%	<b>26.8 ± 10.0</b> %	<b>26.8 ± 10.0</b> %	<b>28.7 ± 10.0</b> %	<b>28.7 ± 10.0</b> %	<b>30.9 ± 10.0</b> %	<b>30.9 ± 10.0</b> %
RBC	<b>2.02 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>2.02 ± 0.18</b> × 10 <sup>12</sup> /L	<b>4.10 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>4.10 ± 0.24</b> × 10 <sup>12</sup> /L	<b>4.84 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>4.84 ± 0.30</b> × 10 <sup>12</sup> /L
HGB	<b>5.2 ± 0.4</b> g/dL	<b>52 ± 4</b> g/L	<b>12.2 ± 0.6</b> g/dL	<b>122 ± 6</b> g/L	<b>15.3 ± 0.8</b> g/dL	<b>153 ± 8</b> g/L
HCT	<b>16.7 ± 1.5</b> %	<b>16.7 ± 1.5</b> %	<b>38.1 ± 2.0</b> %	<b>38.1 ± 2.0</b> %	<b>48.6 ± 2.4</b> %	<b>48.6 ± 2.4</b> %
MCV	<b>82.5 ± 5.0</b> fL	<b>82.5 ± 5.0</b> fL	<b>93.0 ± 5.0</b> fL	<b>93.0 ± 5.0</b> fL	<b>100.5 ± 5.0</b> fL	<b>100.5 ± 5.0</b> fL
MCH	<b>25.7 ± 2.5</b> pg	<b>25.7 ± 2.5</b> pg	<b>29.8 ± 2.5</b> pg	<b>29.8 ± 2.5</b> pg	<b>31.6 ± 2.5</b> pg	<b>31.6 ± 2.5</b> pg
MCHC	<b>31.2 ± 3.0</b> g/dL	<b>312 ± 30</b> g/L	<b>32.0 ± 3.0</b> g/dL	<b>320 ± 30</b> g/L	<b>31.5 ± 3.0</b> g/dL	<b>315 ± 30</b> g/L
RDW-CV	<b>14.0 ± 3.0</b> %	<b>14.0 ± 3.0</b> %	<b>14.0 ± 3.0</b> %	<b>14.0 ± 3.0</b> %	<b>13.5 ± 3.0</b> %	<b>13.5 ± 3.0</b> %
RDW-SD	<b>44.0 ± 8.0</b> fL	<b>44.0 ± 8.0</b> fL	<b>49.0 ± 8.0</b> fL	<b>49.0 ± 8.0</b> fL	<b>50.5 ± 8.0</b> fL	<b>50.5 ± 8.0</b> fL
PLT	<b>52 ± 20</b> × 10 <sup>3</sup> /μL	<b>52 ± 20</b> × 10 <sup>9</sup> /L	<b>246 ± 40</b> × 10 <sup>3</sup> /μL	<b>246 ± 40</b> × 10 <sup>9</sup> /L	<b>475 ± 60</b> × 10 <sup>3</sup> /μL	<b>475 ± 60</b> × 10 <sup>9</sup> /L
MPV	<b>11.2 ± 3.0</b> fL	<b>11.2 ± 3.0</b> fL	<b>12.6 ± 3.0</b> fL	<b>12.6 ± 3.0</b> fL	<b>10.9 ± 3.0</b> fL	<b>10.9 ± 3.0</b> fL

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

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.

Mindray Building, Keji 12<sup>th</sup> Road South, High-tech Industrial Park, Nanshan, ShenZhen 518057, P.R.China

Tel: +86 755 26582479 26582888

Fax: +86 755 26582934 26582500

**U. S. Contact:** Mindray North America**Address:** 800 MacArthur Blvd., Mahwah, NJ 07430-0619, USA**Toll Free:** +1 (800) 288 2121