



| | | | |
|---------|---|---|---|
| CONTROL | L | N | H |
|---------|---|---|---|

IMPORTANT: The barcode is for use only on the CELL-DYN Ruby. Refer to the appropriate System Operator's Manual for proper use of CELL-DYN Calibrator and Control Products.

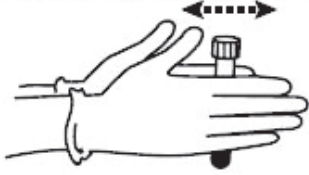
IMPORTANT: Mixing and Handling

1. Remove a vial of the control from the refrigerator and warm to room temperature (18° to 30° C) for 15 minutes before use.

2. To mix: (**Do NOT mix mechanically or vortex.**)

For a video demonstration, visit www.corelaboratory.abbott and navigate to the Customer Portal → Technical Library → Other Reference Documents → Hematology Aids.

a. Hold the vial vertically and roll each vial between the palms of the hands for 15-20 seconds.



b. Continue to mix by holding the vial by the ends between the thumb and finger, rapidly inverting the vial 20 times end-over-end using a very quick turning motion of the wrist.



c. Analyze immediately after mixing. Subsequent analyses during this test period may be performed by inverting the vial 5 times prior to instrument analysis.

d. Steps a-c must be repeated upon removing the sample from the refrigerator for the entire open-vial time period regardless of the method of analysis (open tube, cap piercing, auto sample or manual sample).

3. Refer to the appropriate CELL-DYN System Operator's Manual for information about analyzing control specimens.

4. FOR AUTOMATED SAMPLING OR MANUAL CLOSED SAMPLING (CS):

- Refer to the appropriate CELL-DYN Operator's Manual. Remove the vial from the sample handler immediately after sampling.

FOR OPEN-VIAL SAMPLING:

- Aspirate a sample from the vial.
- Carefully wipe the vial rim and cap with a lint-free tissue.
- Replace the cap, ensuring it is on tight.

After sampling, return vial to refrigerator for maximum open-vial stability. If run in the open mode, wipe the threads of both vial and cap before replacing cap and returning to refrigerator.



2020-08-28

8 Consecutive Day Open-Vial Stability

| | | CONTROL L | | CONTROL N | | CONTROL H | |
|-------------------------|------------------------------|-------------|----------------|-------------|----------------|-------------|----------------|
| | | LOT L0167 | | LOT N0167 | | LOT H0167 | |
| SYSTEM | PARAMETER | ASSAY VALUE | ± MEAN RANGE * | ASSAY VALUE | ± MEAN RANGE * | ASSAY VALUE | ± MEAN RANGE * |
| CELL-DYN 3700 SYSTEM | WOC 10 ⁹ /L | 4.0 | 0.4 | 7.1 | 0.7 | 15.6 | 2.5 |
| | WIC 10 ⁹ /L | 4.0 | 0.5 | 7.1 | 1.0 | 15.7 | 3.0 |
| | WBC 10 ⁹ /L | 4.0 | 0.4 | 7.1 | 0.7 | 15.6 | 2.5 |
| | NEU 10 ⁹ /L | 2.3 | 0.3 | 4.2 | 0.8 | 9.2 | 2.0 |
| | NEU % | 58.7 | 8.0 | 58.8 | 8.0 | 59.2 | 10.0 |
| | LYM 10 ⁹ /L | 1.1 | 0.3 | 1.9 | 0.8 | 4.1 | 2.0 |
| | LYM % | 27.0 | 9.0 | 26.7 | 9.0 | 26.5 | 10.0 |
| | MONO 10 ⁹ /L | 0.4 | 0.2 | 0.7 | 0.4 | 1.5 | 0.6 |
| | MONO % | 10.0 | 5.0 | 10.0 | 5.0 | 9.8 | 3.0 |
| | EOS 10 ⁹ /L | 0.1 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 |
| | EOS % | 3.0 | 3.0 | 2.5 | 2.0 | 2.6 | 1.0 |
| | BASO 10 ⁹ /L | 0.1 | 0.1 | 0.2 | 0.2 | 0.6 | 0.6 |
| | BASO % | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| | RBC 10 ¹² /L | 2.86 | 0.15 | 4.23 | 0.20 | 5.13 | 0.30 |
| | HGB g/dL | 7.2 | 0.4 | 11.9 | 0.6 | 15.5 | 0.8 |
| | HCT % | 22.5 | 1.5 | 37.0 | 2.5 | 47.6 | 3.5 |
| | MCV fL | 78.6 | 4.0 | 87.4 | 4.0 | 92.8 | 5.0 |
| MCH pg | 25.2 | 2.0 | 28.1 | 2.0 | 30.2 | 2.0 | |
| MCHC g/dL | 32.0 | 2.3 | 32.2 | 3.0 | 32.6 | 2.3 | |
| RDW % | 19.2 | 2.5 | 18.8 | 2.5 | 17.1 | 2.5 | |
| PLT 10 ⁹ /L | 77 | 20 | 222 | 30 | 534 | 60 | |
| MPV fL | 8.5 | 3.0 | 8.1 | 3.0 | 7.9 | 3.0 | |
| CELL-DYN Ruby SYSTEM | WBC (WOC) 10 ⁹ /L | 4.0 | 0.4 | 7.1 | 0.7 | 15.5 | 2.5 |
| | WBC (NOC) 10 ⁹ /L | 4.1 | 0.4 | 7.3 | 1.0 | 16.0 | 2.5 |
| | NEU 10 ⁹ /L | 2.4 | 0.3 | 4.2 | 0.8 | 9.1 | 2.0 |
| | NEU % | 58.8 | 8.0 | 58.9 | 8.0 | 58.8 | 10.0 |
| | LYM 10 ⁹ /L | 1.0 | 0.3 | 1.9 | 0.8 | 4.1 | 2.0 |
| | LYM % | 26.2 | 9.0 | 26.4 | 9.0 | 26.5 | 10.0 |
| | MONO 10 ⁹ /L | 0.4 | 0.2 | 0.7 | 0.4 | 1.4 | 0.6 |
| | MONO % | 9.4 | 5.0 | 9.3 | 5.0 | 9.3 | 3.0 |
| | EOS 10 ⁹ /L | 0.1 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 |
| | EOS % | 3.0 | 3.0 | 2.5 | 2.0 | 2.5 | 1.0 |
| | BASO 10 ⁹ /L | 0.1 | 0.1 | 0.2 | 0.2 | 0.6 | 0.6 |
| | BASO % | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| | RBC 10 ¹² /L | 2.81 | 0.15 | 4.26 | 0.20 | 5.25 | 0.30 |
| | HGB g/dL | 7.1 | 0.4 | 11.8 | 0.6 | 15.6 | 0.8 |
| | HCT % | 19.8 | 1.5 | 32.5 | 2.5 | 41.7 | 3.5 |
| | MCV fL | 70.4 | 4.0 | 76.3 | 4.0 | 79.5 | 5.0 |
| | MCH pg | 25.3 | 2.0 | 27.7 | 2.0 | 29.7 | 2.0 |
| MCHC g/dL | 35.9 | 2.3 | 36.3 | 3.0 | 37.4 | 2.3 | |
| RDW % | 13.4 | 2.5 | 12.6 | 2.5 | 10.8 | 2.5 | |
| PLT 10 ⁹ /L | 70 | 20 | 204 | 30 | 502 | 60 | |
| MPV fL | 11.8 | 3.0 | 11.6 | 3.0 | 11.6 | 3.0 | |

* The **MEAN RANGE** does not represent standard deviations (SD).
NOTE: Flags may occur with control materials and should be disregarded.



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