# CELL-DYN 26 Plus Control

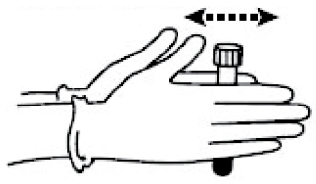
ABBOTT
CELL-DYN SYSTEMS
ASSAY SHEET

CONTROL L N H

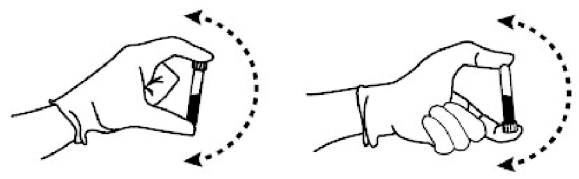
**IMPORTANT:** The barcode is for use only on the CELL-DYN Ruby. Refer to the appropriate System Operator's Manual for proper use of CELL-DYN Calibrator and Control Products.

**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.

| Exp. 2026-11-13 | 8 Consecutive Day Open-Vial Stability |
|---|---|

| | | CONTROL L | | CONTROL N | | CONTROL H | |
|---|---|---|---|---|---|---|---|
| | | LOT L6243 | | LOT N6243 | | LOT H6243 | |
| SYSTEM | PARAMETER | ASSAY VALUE | ± MEAN RANGE * | ASSAY VALUE | ± MEAN RANGE * | ASSAY VALUE | ± MEAN RANGE * |
| CELL-DYN Ruby SYSTEM | WBC (WOC) $10^9$/L | 4.0 | 0.4 | 6.9 | 0.7 | 15.9 | 2.5 |
| | WBC (NOC) $10^9$/L | 4.1 | 0.4 | 7.0 | 1.0 | 16.2 | 2.5 |
| | NEU $10^9$/L | 2.3 | 0.3 | 4.0 | 0.8 | 9.1 | 2.0 |
| | NEU % | 57.1 | 8.0 | 57.3 | 8.0 | 57.4 | 10.0 |
| | LYM $10^9$/L | 1.1 | 0.3 | 1.9 | 0.8 | 4.4 | 2.0 |
| | LYM % | 27.4 | 9.0 | 27.6 | 9.0 | 27.9 | 10.0 |
| | MONO $10^9$/L | 0.3 | 0.2 | 0.6 | 0.4 | 1.4 | 0.6 |
| | MONO % | 8.7 | 5.0 | 8.9 | 5.0 | 8.5 | 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 | 2.4 | 1.0 |
| | BASO $10^9$/L | 0.2 | 0.1 | 0.3 | 0.2 | 0.6 | 0.6 |
| | BASO % | 4.2 | 3.0 | 3.8 | 3.0 | 3.9 | 3.0 |
| | RBC $10^{12}$/L | 2.89 | 0.15 | 4.19 | 0.20 | 5.35 | 0.30 |
| | HGB g/dL | 7.0 | 0.4 | 11.4 | 0.6 | 15.7 | 0.8 |
| | HCT % | 19.8 | 1.5 | 31.6 | 2.5 | 42.3 | 3.5 |
| | MCV fL | 68.6 | 4.0 | 75.5 | 4.0 | 79.0 | 5.0 |
| | MCH pg | 24.2 | 2.0 | 27.2 | 2.0 | 29.3 | 2.0 |
| | MCHC g/dL | 35.4 | 2.3 | 36.1 | 3.0 | 37.1 | 2.3 |
| | RDW % | 13.9 | 2.5 | 11.8 | 2.5 | 11.5 | 2.5 |
| | PLT $10^9$/L | 80 | 20 | 224 | 30 | 542 | 60 |
| | MPV fL | 9.6 | 3.0 | 9.4 | 3.0 | 9.4 | 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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