CELL-DYN 26 Plus Control

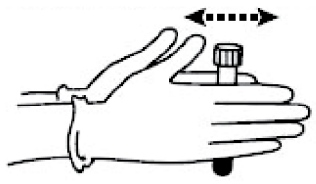
ABBOTT
CELL-DYN SYSTEMS
ASSAY SHEET

CONTROL L N H

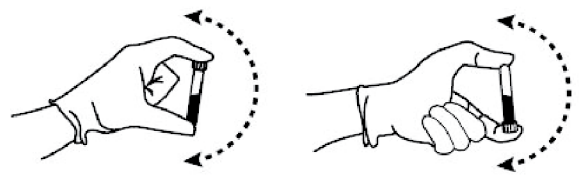
IMPORTANT: The barcode is for use only on the CELL-DYN Ruby. Refer to the appropriate System Operator's Manual for proper use of CELL-DYN Calibrator and Control Products.

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. 2026-06-26	8 Consecutive Day Open-Vial Stability

		CONTROL L		CONTROL N		CONTROL H	
		LOT L6103		LOT N6103		LOT H6103	
SYSTEM	PARAMETER	ASSAY VALUE	± MEAN RANGE *	ASSAY VALUE	± MEAN RANGE *	ASSAY VALUE	± MEAN RANGE *
CELL-DYN Ruby SYSTEM	WBC (WOC) 10^9/L	4.1	0.4	6.9	0.7	15.5	2.5
	WBC (NOC) 10^9/L	4.1	0.4	7.0	1.0	15.6	2.5
	NEU 10^9/L	2.3	0.3	3.9	0.8	8.8	2.0
	NEU %	57.0	8.0	56.5	8.0	56.8	10.0
	LYM 10^9/L	1.1	0.3	1.9	0.8	4.3	2.0
	LYM %	27.6	9.0	28.0	9.0	28.0	10.0
	MONO 10^9/L	0.4	0.2	0.6	0.4	1.4	0.6
	MONO %	8.7	5.0	9.1	5.0	8.9	3.0
	EOS 10^9/L	0.1	0.1	0.2	0.2	0.4	0.2
	EOS %	3.0	3.0	2.4	2.0	2.3	1.0
	BASO 10^9/L	0.2	0.1	0.3	0.2	0.6	0.6
	BASO %	4.4	3.0	4.1	3.0	3.9	3.0
	RBC 10^{12}/L	2.90	0.15	4.14	0.20	5.28	0.30
	HGB g/dL	7.1	0.4	11.6	0.6	16.1	0.8
	HCT %	20.4	1.5	31.7	2.5	42.5	3.5
	MCV fL	70.2	4.0	76.6	4.0	80.5	5.0
	MCH pg	24.5	2.0	28.0	2.0	30.5	2.0
	MCHC g/dL	34.8	2.3	36.6	3.0	37.9	2.3
	RDW %	13.5	2.5	12.4	2.5	10.7	2.5
	PLT 10^9/L	77	20	239	30	551	60
	MPV fL	10.0	3.0	9.8	3.0	9.7	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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