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.
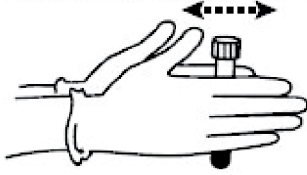
   b. Continue to mix by holding the vial by the ends between the thumb and finger, rapidly inverting the vial 20 times end-over-end using a very quick turning motion of the wrist.
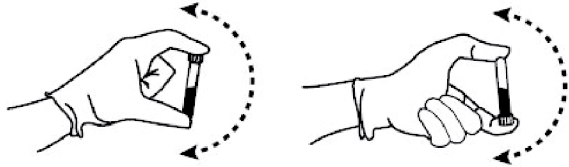
   c. Analyze immediately after mixing. Subsequent analyses during this test period may be performed by inverting the vial 5 times prior to instrument analysis.

   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.

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Exp.	2025-02-07	8 Consecutive Day Open-Vial Stability

SYSTEM	PARAMETER	CONTROL L — ASSAY VALUE	CONTROL L — ± MEAN RANGE *	CONTROL N — ASSAY VALUE	CONTROL N — ± MEAN RANGE *	CONTROL H — ASSAY VALUE	CONTROL H — ± MEAN RANGE *
		LOT L4330		LOT N4330		LOT H4330	
CELL-DYN 3700 SYSTEM	WOC 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	WIC 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	WBC 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	NEU 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	NEU %	N/A	N/A	N/A	N/A	N/A	N/A
	LYM 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	LYM %	N/A	N/A	N/A	N/A	N/A	N/A
	MONO 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	MONO %	N/A	N/A	N/A	N/A	N/A	N/A
	EOS 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	EOS %	N/A	N/A	N/A	N/A	N/A	N/A
	BASO 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	BASO %	N/A	N/A	N/A	N/A	N/A	N/A
	RBC 10^{12}/L	N/A	N/A	N/A	N/A	N/A	N/A
	HGB g/dL	N/A	N/A	N/A	N/A	N/A	N/A
	HCT %	N/A	N/A	N/A	N/A	N/A	N/A
	MCV fL	N/A	N/A	N/A	N/A	N/A	N/A
	MCH pg	N/A	N/A	N/A	N/A	N/A	N/A
	MCHC g/dL	N/A	N/A	N/A	N/A	N/A	N/A
	RDW %	N/A	N/A	N/A	N/A	N/A	N/A
	PLT 10^9/L	N/A	N/A	N/A	N/A	N/A	N/A
	MPV fL	N/A	N/A	N/A	N/A	N/A	N/A
CELL-DYN Ruby SYSTEM	WBC (WOC) 10^9/L	3.9	0.4	6.7	0.7	15.2	2.5
	WBC (NOC) 10^9/L	4.0	0.4	6.8	1.0	15.4	2.5
	NEU 10^9/L	2.3	0.3	4.0	0.8	9.0	2.0
	NEU %	59.7	8.0	59.9	8.0	59.4	10.0
	LYM 10^9/L	0.9	0.3	1.6	0.8	3.7	2.0
	LYM %	23.6	9.0	23.7	9.0	24.2	10.0
	MONO 10^9/L	0.4	0.2	0.6	0.4	1.5	0.6
	MONO %	10.0	5.0	9.7	5.0	9.8	3.0
	EOS 10^9/L	0.1	0.1	0.2	0.2	0.5	0.2
	EOS %	3.1	3.0	3.3	2.0	3.3	1.0
	BASO 10^9/L	0.1	0.1	0.2	0.2	0.6	0.6
	BASO %	3.6	3.0	3.5	3.0	3.3	3.0
	RBC 10^{12}/L	2.91	0.15	4.21	0.20	5.27	0.30
	HGB g/dL	7.1	0.4	11.2	0.6	15.4	0.8
	HCT %	20.7	1.5	31.7	2.5	41.7	3.5
	MCV fL	71.3	4.0	75.3	4.0	79.1	5.0
	MCH pg	24.4	2.0	26.6	2.0	29.2	2.0
	MCHC g/dL	34.3	2.3	35.3	3.0	36.9	2.3
	RDW %	14.6	2.5	13.3	2.5	11.3	2.5
	PLT 10^9/L	75	20	229	30	550	60
	MPV fL	9.8	3.0	9.4	3.0	9.2	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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