CELL-DYN 26 Plus Control

ABBOTT
CELL-DYN SYSTEMS

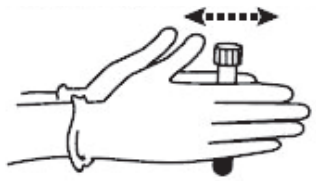
ASSAY SHEET

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. 2021-06-04

8 Consecutive Day Open-Vial Stability

		CONTROL L		CONTROL N		CONTROL H	
		LOT L1081		LOT N1081		LOT H1081	
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	7.3	0.7	16.2	2.5
	WIC 10^9/L	4.1	0.5	7.5	1.0	16.8	3.0
	WBC 10^9/L	4.0	0.4	7.3	0.7	16.2	2.5
	NEU 10^9/L	2.4	0.3	4.3	0.8	9.6	2.0
	NEU %	58.9	8.0	59.0	8.0	59.3	10.0
	LYM 10^9/L	1.0	0.3	1.9	0.8	4.1	2.0
	LYM %	25.9	9.0	26.0	9.0	25.5	10.0
	MONO 10^9/L	0.4	0.2	0.8	0.4	1.7	0.6
	MONO %	10.6	5.0	10.3	5.0	10.3	3.0
	EOS 10^9/L	0.1	0.1	0.2	0.2	0.4	0.2
	EOS %	3.0	3.0	2.6	2.0	2.7	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	2.85	0.15	4.36	0.20	5.33	0.30
	HGB g/dL	7.1	0.4	11.7	0.6	16.0	0.8
	HCT %	22.3	1.5	36.5	2.5	49.0	3.5
	MCV fL	78.3	4.0	83.7	4.0	92.0	5.0
	MCH pg	24.9	2.0	26.8	2.0	30.0	2.0
	MCHC g/dL	31.8	2.3	32.1	3.0	32.7	2.3
	RDW %	20.3	2.5	20.7	2.5	18.1	2.5
	PLT 10^9/L	79	20	227	30	527	60
	MPV fL	7.6	3.0	7.4	3.0	7.1	3.0
CELL-DYN Ruby SYSTEM	WBC (WOC) 10^9/L	4.0	0.4	7.4	0.7	16.3	2.5
	WBC (NOC) 10^9/L	4.1	0.4	7.5	1.0	16.6	2.5
	NEU 10^9/L	2.3	0.3	4.3	0.8	9.6	2.0
	NEU %	57.7	8.0	58.7	8.0	58.9	10.0
	LYM 10^9/L	1.0	0.3	1.9	0.8	4.2	2.0
	LYM %	25.8	9.0	25.8	9.0	25.5	10.0
	MONO 10^9/L	0.4	0.2	0.7	0.4	1.5	0.6
	MONO %	10.2	5.0	9.5	5.0	9.4	3.0
	EOS 10^9/L	0.1	0.1	0.2	0.2	0.4	0.2
	EOS %	3.0	3.0	2.7	2.0	2.6	1.0
	BASO 10^9/L	0.1	0.1	0.3	0.2	0.6	0.6
	BASO %	3.5	3.0	3.4	3.0	3.5	3.0
	RBC 10^{12}/L	2.82	0.15	4.40	0.20	5.40	0.30
	HGB g/dL	7.0	0.4	11.7	0.6	16.0	0.8
	HCT %	19.7	1.5	32.2	2.5	42.6	3.5
	MCV fL	69.7	4.0	73.2	4.0	78.8	5.0
	MCH pg	24.8	2.0	26.6	2.0	29.6	2.0
	MCHC g/dL	35.5	2.3	36.3	3.0	37.6	2.3
	RDW %	14.1	2.5	13.6	2.5	11.6	2.5
	PLT 10^9/L	78	20	225	30	538	60
	MPV fL	10.0	3.0	10.1	3.0	10.0	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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