



CONTROL	L	N	H
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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.



2021-11-19

8 Consecutive Day Open-Vial Stability

		CONTROL L		CONTROL N		CONTROL H	
		LOT L1249		LOT N1249		LOT H1249	
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	16.4	2.5
	WIC 10 ⁹ /L	4.0	0.5	7.1	1.0	16.4	3.0
	WBC 10 ⁹ /L	4.0	0.4	7.1	0.7	16.4	2.5
	NEU 10 ⁹ /L	2.3	0.3	4.1	0.8	9.5	2.0
	NEU %	57.2	8.0	57.4	8.0	57.9	10.0
	LYM 10 ⁹ /L	1.1	0.3	2.0	0.8	4.5	2.0
	LYM %	28.1	9.0	28.0	9.0	27.6	10.0
	MONO 10 ⁹ /L	0.4	0.2	0.7	0.4	1.6	0.6
	MONO %	10.1	5.0	10.1	5.0	9.9	3.0
	EOS 10 ⁹ /L	0.1	0.1	0.2	0.2	0.5	0.2
	EOS %	3.0	3.0	2.7	2.0	2.8	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	3.01	0.15	4.26	0.20	5.33	0.30
	HGB g/dL	7.2	0.4	12.5	0.6	16.8	0.8
	HCT %	23.0	1.5	38.1	2.5	50.6	3.5
	MCV fL	76.5	4.0	89.4	4.0	94.9	5.0
MCH pg	23.9	2.0	29.3	2.0	31.5	2.0	
MCHC g/dL	31.3	2.3	32.8	3.0	33.2	2.3	
RDW %	20.5	2.5	18.0	2.5	17.2	2.5	
PLT 10 ⁹ /L	83	20	235	30	554	60	
MPV fL	8.2	3.0	7.8	3.0	7.5	3.0	
CELL-DYN Ruby SYSTEM	WBC (WOC) 10 ⁹ /L	3.9	0.4	7.2	0.7	16.3	2.5
	WBC (NOC) 10 ⁹ /L	3.9	0.4	7.2	1.0	16.3	2.5
	NEU 10 ⁹ /L	2.2	0.3	4.1	0.8	9.4	2.0
	NEU %	56.9	8.0	57.2	8.0	57.4	10.0
	LYM 10 ⁹ /L	1.1	0.3	2.0	0.8	4.5	2.0
	LYM %	27.6	9.0	27.6	9.0	27.5	10.0
	MONO 10 ⁹ /L	0.4	0.2	0.7	0.4	1.6	0.6
	MONO %	9.8	5.0	9.8	5.0	9.6	3.0
	EOS 10 ⁹ /L	0.1	0.1	0.2	0.2	0.5	0.2
	EOS %	3.0	3.0	2.7	2.0	2.8	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	2.93	0.15	4.30	0.20	5.40	0.30
	HGB g/dL	7.1	0.4	12.5	0.6	16.8	0.8
	HCT %	20.0	1.5	33.0	2.5	43.4	3.5
	MCV fL	68.3	4.0	76.7	4.0	80.4	5.0
	MCH pg	24.2	2.0	29.1	2.0	31.1	2.0
MCHC g/dL	35.5	2.3	37.9	3.0	38.7	2.3	
RDW %	14.7	2.5	11.7	2.5	11.2	2.5	
PLT 10 ⁹ /L	79	20	227	30	538	60	
MPV fL	10.6	3.0	10.7	3.0	10.7	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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