



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.

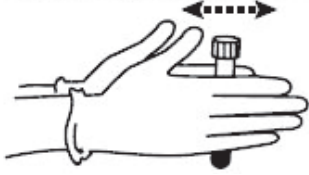
**IMPORTANT: Mixing and Handling**

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](http://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.



2019-09-27

8 Consecutive Day Open-Vial Stability

		CONTROL L		CONTROL N		CONTROL H	
		LOT L9196		LOT N9196		LOT H9196	
SYSTEM	PARAMETER	ASSAY VALUE	± MEAN RANGE *	ASSAY VALUE	± MEAN RANGE *	ASSAY VALUE	± MEAN RANGE *
CELL-DYN 3700 SYSTEM	WOC 10 <sup>9</sup> /L	4.1	0.4	7.1	0.7	16.2	2.5
	WIC 10 <sup>9</sup> /L	4.2	0.5	7.3	1.0	16.5	3.0
	WBC 10 <sup>9</sup> /L	4.1	0.4	7.1	0.7	16.2	2.5
	NEU 10 <sup>9</sup> /L	2.4	0.3	4.1	0.8	9.3	2.0
	NEU %	57.4	8.0	57.6	8.0	57.7	10.0
	LYM 10 <sup>9</sup> /L	1.2	0.3	2.0	0.8	4.6	2.0
	LYM %	28.3	9.0	28.3	9.0	28.4	10.0
	MONO 10 <sup>9</sup> /L	0.4	0.2	0.7	0.4	1.5	0.6
	MONO %	9.9	5.0	9.6	5.0	9.5	3.0
	EOS 10 <sup>9</sup> /L	0.1	0.1	0.2	0.2	0.4	0.2
	EOS %	3.0	3.0	2.6	2.0	2.6	1.0
	BASO 10 <sup>9</sup> /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 <sup>12</sup> /L	2.93	0.15	4.31	0.20	5.29	0.30
	HGB g/dL	7.4	0.4	11.9	0.6	16.0	0.8
	HCT %	23.7	1.5	37.9	2.5	49.8	3.5
	MCV fL	80.8	4.0	87.9	4.0	94.2	5.0
MCH pg	25.3	2.0	27.6	2.0	30.2	2.0	
MCHC g/dL	31.2	2.3	31.4	3.0	32.1	2.3	
RDW %	19.3	2.5	18.5	2.5	17.4	2.5	
PLT 10 <sup>9</sup> /L	79	20	238	30	545	60	
MPV fL	8.4	3.0	8.1	3.0	7.8	3.0	
CELL-DYN Ruby SYSTEM	WBC (WOC) 10 <sup>9</sup> /L	3.9	0.4	7.1	0.7	16.0	2.5
	WBC (NOC) 10 <sup>9</sup> /L	4.0	0.4	7.2	1.0	16.4	2.5
	NEU 10 <sup>9</sup> /L	2.2	0.3	4.0	0.8	9.1	2.0
	NEU %	56.7	8.0	57.0	8.0	57.1	10.0
	LYM 10 <sup>9</sup> /L	1.1	0.3	2.0	0.8	4.5	2.0
	LYM %	28.3	9.0	28.0	9.0	28.3	10.0
	MONO 10 <sup>9</sup> /L	0.4	0.2	0.7	0.4	1.5	0.6
	MONO %	9.4	5.0	9.6	5.0	9.2	3.0
	EOS 10 <sup>9</sup> /L	0.1	0.1	0.2	0.2	0.4	0.2
	EOS %	3.0	3.0	2.5	2.0	2.6	1.0
	BASO 10 <sup>9</sup> /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 <sup>12</sup> /L	2.86	0.15	4.31	0.20	5.34	0.30
	HGB g/dL	7.3	0.4	11.8	0.6	15.8	0.8
	HCT %	20.3	1.5	32.6	2.5	42.7	3.5
	MCV fL	71.0	4.0	75.6	4.0	79.9	5.0
	MCH pg	25.5	2.0	27.4	2.0	29.6	2.0
MCHC g/dL	36.0	2.3	36.2	3.0	37.0	2.3	
RDW %	13.4	2.5	12.3	2.5	10.9	2.5	
PLT 10 <sup>9</sup> /L	78	20	225	30	539	60	
MPV fL	10.0	3.0	9.7	3.0	9.6	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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**REF** 08H59-01, 08H59-02

