



# CELL-DYN EMERALD

HEMATOLOGY ANALYZER

## Fast, Accurate, with Easy Results Everytime

High performance in an affordable, compact design

- Reliable and accurate patient results
- Barcode reader
- Multiple languages available
- Open-mode one touch operation
- Auto startup and shutdown
- Lightweight - only 19.8 lbs. (9 kg)

Fast and easy to use

- Results in approximately 60 seconds
- Small sample size
- Low reagent consumption
- Zero daily and weekly maintenance

**CHOOSE TRANSFORMATION™**

Achieve measurably better healthcare performance.

[www.corelaboratory.abbott/cell-dyn-emerald](http://www.corelaboratory.abbott/cell-dyn-emerald)



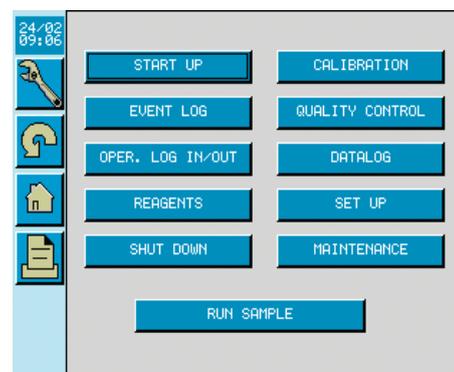
ITEM	SPECIFICATIONS
<b>Technology &amp; Methods</b>	<ul style="list-style-type: none"> <li>Electronic impedance</li> <li>Absorption spectrophotometry</li> <li>Electronic valves</li> <li>Cyanide-free lyse reagent</li> <li>LCD color touch screen</li> <li>RS232 and TCP/IP LIS interface</li> <li>USB ports</li> </ul>
<b>Throughput</b>	<ul style="list-style-type: none"> <li>Up to 57 samples per hour</li> </ul>
<b>Sample Size</b>	<ul style="list-style-type: none"> <li>~9.8 <math>\mu</math>L</li> </ul>
<b>Specimen Data Management</b>	<ul style="list-style-type: none"> <li>Search by date or sequence number</li> <li>Flagging for patient limit sets</li> <li>Flagging for panic values</li> <li>1,500 records with histograms on internal memory</li> <li>Up to 300,000 records on external USB thumb drive</li> <li>Programmable patient limits</li> <li>Programmable report units</li> <li>Barcode reader (reads code 128, code 39, interleaved 2 of 5, and others listed in the Operator's Manual)</li> </ul>
<b>Quality Control</b>	<ul style="list-style-type: none"> <li>6 control files</li> <li>100 runs per file</li> <li>Levey-Jennings graphs</li> <li>Upload/download control information</li> <li>eQC Online peer review program</li> </ul>
<b>Demographics</b>	<ul style="list-style-type: none"> <li>Sequence number</li> <li>Alphanumeric specimen ID</li> <li>Alphanumeric patient ID</li> <li>Date &amp; time analyzed</li> <li>Patient name</li> <li>CBC with 3-part differential</li> <li>Flagging and Alerts</li> </ul>
<b>Dispersional Data Alert</b>	<ul style="list-style-type: none"> <li>Operator-defined patient limits for high and panic values</li> <li>System-defined limits for reportable range and analytical measurement range</li> <li>Suspect parameter flags caused by interfering substances or sample abnormalities</li> <li>Suspect parameter flags generated when WBC data indicates possible presence of an abnormal population</li> </ul>
<b>Standards &amp; Safety Compliance</b>	<ul style="list-style-type: none"> <li>IEC 61010-1</li> <li>EN 61326-1</li> <li>CE Mark</li> </ul>
<b>Peripheral Devices</b>	<ul style="list-style-type: none"> <li>Inkjet or laser printer</li> <li>USB thumb drive</li> <li>Handheld barcode scanner</li> </ul>
<b>Physical Dimensions</b>	<ul style="list-style-type: none"> <li>Height 13.8 in. (35 cm)</li> <li>Width 9.8 in. (25 cm)</li> <li>Depth 13.8 in. (35 cm)</li> <li>Weight 19.8 lbs. (9 kg) (without on-board reagents)</li> </ul>

PARAMETERS		
White Cells	Red Cells	Platelets
WBC	RBC	PLT
LYM #	HGB	MPV
LYM %	HCT	
MID #	MCV	
MID %	MCH	
GRAN	MCHC	
GRAN %	RDW	

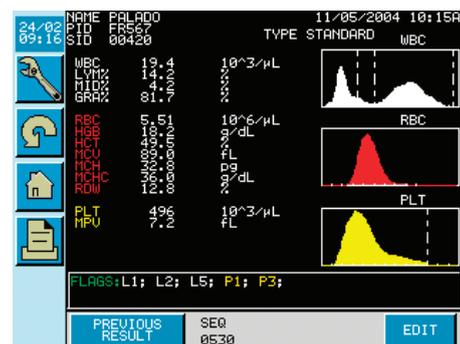
REAGENTS	
Reagent Description	Size and List Number
CN-Free Diff Lyse	960 mL (List No. 09H47-02)
Diluent	10 L (List No. 09H48-02)
Cleaner	960 mL (List No. 09H46-02)

CONTROLS & CALIBRATORS	
CELL-DYN 18 Plus Calibrator	09H70-01
CELL-DYN 18 Plus Control	09H69-01 09H69-02

## MAIN MENU



## DATALOG FILE



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