



FAST, EASY, WITH ACCURATE RESULTS EVERY TIME

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**A HEMATOLOGY INSTRUMENT THAT'S QUICK AND EFFICIENT**

As a laboratory professional in a small hospital or clinic laboratory, your need for greater efficiency and productivity—done quickly under tighter space limitations—is more important than ever.

CELL-DYN Emerald provides you with proven methods and technology, including electronic impedance, absorption spectrophotometry, electronic valves, cyanide-free lyse reagent, LCD color touch screen and USB ports.

**For *in vitro* diagnostic use only.**

BENEFITS

**SPECIFICATIONS**

RESOURCES

**System Specifications**

SPECIFICATIONS	DESCRIPTIONS
<b>Technology &amp; Methods</b>	<ul style="list-style-type: none"> <li>• Electronic impedance</li> <li>• Absorption spectrophotometry</li> <li>• Electronic valves • 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>	Up to 57 samples per hour
<b>Sample Size</b>	~9.8 µL
<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>• Customizable patient limits</li> <li>• Customizable report units (US, SI, SI MOD)</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>

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	<ul style="list-style-type: none"> <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>• CAN/CSA-C22.2 No. 61010-1</li> <li>• IEC 61010-1</li> <li>• IEC-61010-2-101</li> <li>• IEC 61326-1</li> <li>• IEC 61326-2-6</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 inches (35 cm)</li> <li>• Width - 9.8 inches (25 cm)</li> <li>• Depth - 13.8 inches (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 DESCRIPTIONS	SIZE AND LIST NUMBER
CELL-DYN Emerald CN-Free Lyse Reagent	960 mL (List No. 09H47-02)
CELL-DYN Emerald Diluent Reagent	10 L (List No. 09H48-02)
CELL-DYN Emerald Cleaner Reagent	960 mL (List No. 09H46-02)

**Controls & Calibrators**

SPECIFICATIONS	LIST NUMBER
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REFER TO THE [OPERATIONS MANUAL OR USER GUIDE](#) FOR WARNINGS, PRECAUTIONS AND LIMITATIONS FOR PROPER USE OF THE INSTRUMENT.

**CONTACT & SUPPORT**

**HELPING YOU ACHIEVE SUCCESS**

We are dedicated to helping you achieve fast, accurate, and cost effective hematology testing.

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