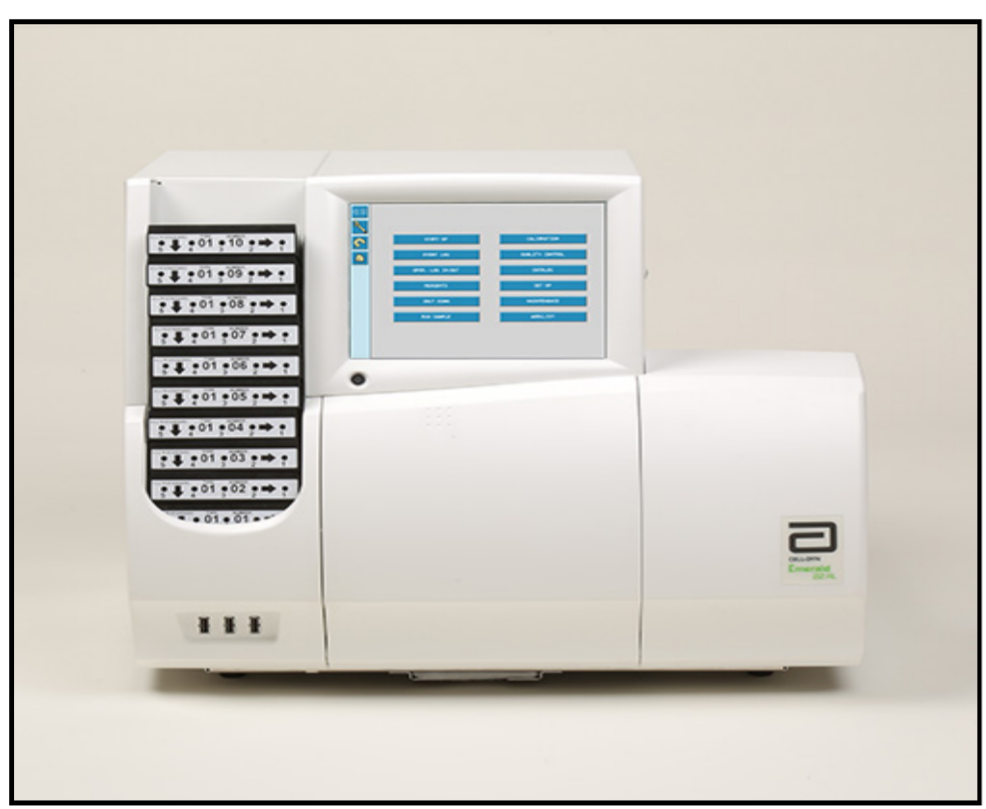


TURN SMALL PLACES INTO SMART SPACES

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SIMPLY SMART

With reduced budgets, shrinking laboratory space and staffing challenges, many laboratories need a solution that lets them work smarter with less.

The CELL-DYN Emerald 22 AL is a full performance, automated optical 5-part differential analyzer that delivers smarter results for small to mid-size clinical laboratories.

For *in vitro* diagnostic use only.

[BENEFITS](#)

[SPECIFICATIONS](#)

[RESOURCES](#)

System Specifications

SPECIFICATIONS	DESCRIPTIONS
Technology & Methods	<ul style="list-style-type: none"> • Optical Flow Cytometry technology • Electrical impedance • Absorption spectrophotometry • Electronic valves • Cyanide-free lyse reagent • LCD color touch screen • RS232 and TCP/IP LIS interface • Multiple USB ports (3 in front, 1 in back)
Throughput	40 samples per hour
Autoloader Capacity	50 tubes (up to 10 racks, 5 tubes per rack)
Sample Size	21 µL
Specimen Data Management	<ul style="list-style-type: none"> • Search by date or sequence number • Flagging for patient limit sets • Flagging for panic values • 3,000 records with histograms on internal memory • Up to 300,000 records on external USB thumb drive • Customizable patient limits and report units (USA, SI, SI MOD) • Barcode reader (reads code 128, code 39, interleaved 2 of 5, and others listed in the Operator's Manual)
Quality Control	<ul style="list-style-type: none"> • 12 control files • 100 records per file



Demographics	<ul style="list-style-type: none"> • Sequence number • Alphanumeric specimen ID • Date & time analyzed • Patient name • CBC with or without 5-part differential • Flagging and Alerts
Dispersional Data Alert	<ul style="list-style-type: none"> • Operator-defined patient limits for low, high, and panic values • System-defined limits for reportable range and analytical measurement range • Suspect parameter flags caused by interfering substances or sample abnormalities • Suspect parameter flags generated when WBC data indicates possible presence of an abnormal population
Standards & Safety Compliance	<ul style="list-style-type: none"> • CAN/CSA-C22.2 No. 61010-1 • IEC 61010-1 • IEC 61010-2-101 • IEC 61326-1 • IEC 61326-2-6 • IEC 60825-1 • CE Mark
Peripheral Devices	<ul style="list-style-type: none"> • Inkjet or laser printer • USB Thumb Drive • Handheld barcode scanner • Keyboard
Physical Dimensions	<ul style="list-style-type: none"> • Height - 16.1 inches (41 cm) • Width - 19.7 inches (50 cm) • Depth - 17.0 inches (43 cm) • Weight - approximately 55 lbs. (25 kg) (without on-board reagents)

Parameters

WHITE CELLS	RED CELLS	PLATELETS
WBC	RBC	PLT
NEU %	HGB	MPV
NEU #	HCT	
LYM %	MCV	
LYM #	MCH	
MON %	MCHC	
MON #	RDW	
EOS %		
EOS #		
BAS %		
BAS #		

Reagents

CELL-DYN Emerald 22 Diluent	10 L (List No. 09H62-01)
CELL-DYN Emerald 22 Easy Cleaner	980 mL (List No. 09H60-01)

Controls & Calibrators

SPECIFICATIONS	DESCRIPTIONS
CELL-DYN 22 Plus Calibrator	09H73-01
CELL-DYN 22 Plus Control Full-Pack (12 tubes)	09H72-01
CELL-DYN 22 Plus Control Half-Pack (6 tubes)	09H72-02

Racks

DESCRIPTIONS - ACCESSORIES	LIST NUMBER
Emerald 22 AL Type 1 Racks (1-10) Standard tubes	04T53-01
Emerald 22 AL Type 1 Racks (11-20) Standard tubes	04T54-01
Emerald 22 AL Type 1 Racks (21-30) Standard tubes	04T55-01
Emerald 22 AL Type 2 Racks (1-10) Sarstedt tubes	04W22-01
Emerald 22 AL Type 2 Racks (11-20) Sarstedt tubes	04W23-01
Emerald 22 AL Type 2 Racks (21-30) Sarstedt tubes	04W24-01

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

CONTACT & SUPPORT

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