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TURN SMALL PLACES INTO SMART SPACES

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VIEW PRODUCT VIDEO











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.

System Specifications

SPECIFICATIONS	DESCRIPTIONS	
Technology & Methods	 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	 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	12 control files100 records per file	

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Demographics	 Sequence number Alphanumeric specimen ID Date & time analyzed Patient name CBC with or without 5-part differential Flagging and Alerts
Dispersional Data Alert	 Operator-defined patient limits for low, high, ad 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	 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	 Inkjet or laser printer USB Thumb Drive Handheld barcode scanner Keyboard
Physical Dimensions	 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 #	НСТ	
LYM %	MCV	
LYM #	МСН	
MON %	MCHC	
MON #	RDW	
EOS %		
EOS #		
BAS %		
BAS #		

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

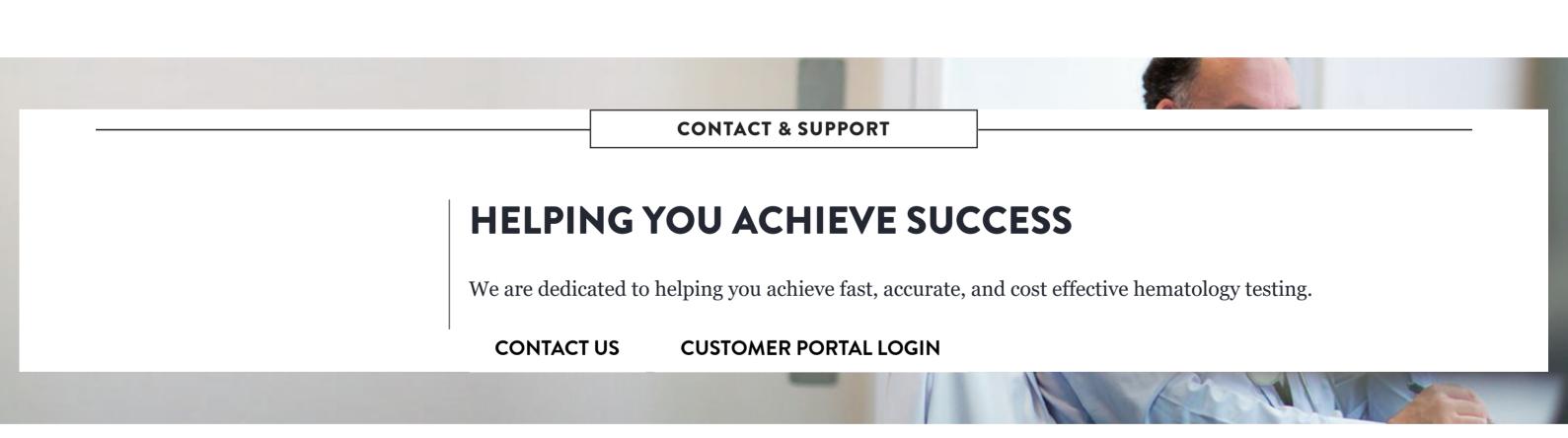
Controls & Calibrators

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





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All ARCHITECT analyzers, Alinity hq, CELL-DYN Ruby, CELL-DYN Sapphire and CELL-DYN Emerald 22 AL instruments are Class I laser products. ACCELERATOR APS and ACCELERATOR a3600 are Class II laser products.

The Alinity, ARCHITECT, ACCELERATOR and CELL-DYN systems are intended for performing in vitro diagnostic assays on samples of human origin (blood, urine). Read the instructions in the system manuals and labeling and/or reagent instructions carefully. Manufacturer or Authorized Representative: Abbott Germany.

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