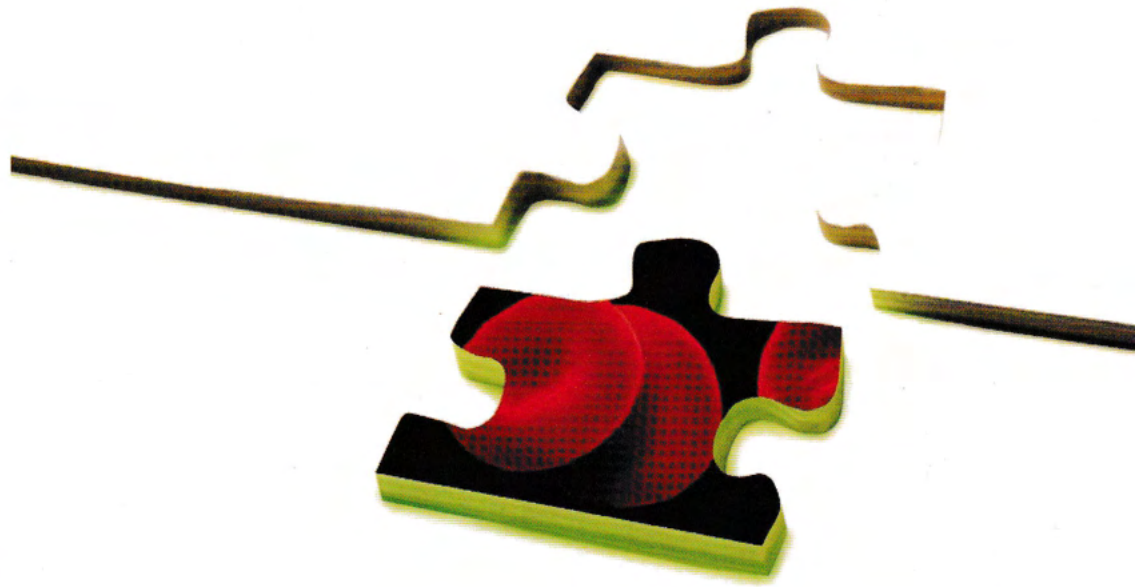




SMALL. POWERFUL.
THE PERFECT FIT.



CELL-DYN
Emerald 



**High performance in an
affordable, compact design**

- Reliable and accurate patient results
- Standard barcode reader
- Multiple languages available
- Open-mode one touch operation
- Auto shutdown
- Lightweight

Fast and easy to use

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

Put science on your side.

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CELL-DYN Emerald SPECIFICATIONS

Technology & Methods

- Electronic impedance
- Absorption spectrophotometry
- Electronic valves
- Cyanide-free lyse reagent
- LCD color touch screen
- RS232 and TCP/IP LIS interface
- USB ports

Throughput

- Up to 57 samples per hour

Sample Size

- ~9.8 µL

Specimen Data Management

- Search by date or sequence number
- Flagging for patient limit sets
- Flagging for panic values
- 1,500 records with histograms on internal memory
- Up to 60,000 on external USB thumb drive
- Programmable patient limits
- Programmable report units
- Standard barcode reader (reads code 128, code 39, and interleaved 2 of 5)

Quality Control

- 6 control files
- 100 runs per file
- Levey-Jenings graphs
- Upload/download control information
- eQC Online peer review program

Demographics

- Sequence number
- Alphanumeric specimen ID
- Alphanumeric patient ID
- Date & time analyzed
- Patient name
- CBC with 3-part differential
- Flagging and Alerts

Dispersional Data Alert

- Operator-defined patients limits for 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

- EN 61010-1
- EN 61326-1
- CE Mark

Peripheral Devices

- Dot Matrix or Inkjet printer
- USB thumb drive
- Handheld barcode scanner

Physical Dimensions

- Height 13.8" (35cm)
- Width 9.8" (25cm)
- Depth 13.8" (35cm)
- Weight 19.8 lbs (9kg) (without on-board reagents)

Parameters

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

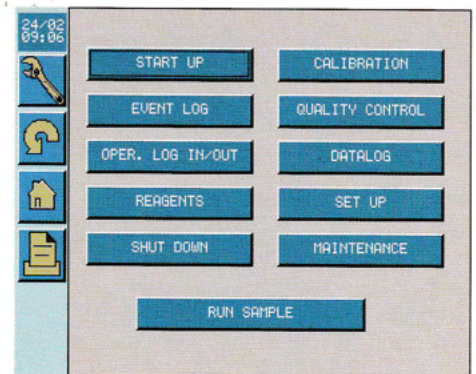
CELL-DYN Emerald Reagents

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

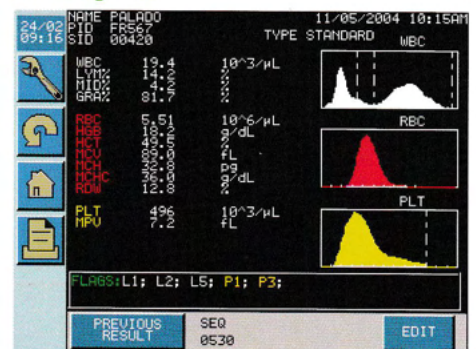
CELL-DYN Emerald Controls and Calibrators

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

Main Menu



Datalog File




The CELL-DYN Emerald is an automated hematology analyzer intended for in vitro diagnostic use in the clinical laboratory.

Refer to Operator's Manual for the operational precautions, limitations and hazards.

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