



Simply incredible. Incredibly simple.

The COULTER® AC•T diff 2™

Hematology Analyzer brings you the added convenience and safety of closed vial sampling as standard. Small sample volume in both open and closed analysis modes, wide operating ranges, and multiple reporting options combine

to make the AC•T diff 2 Hematology Analyzer the choice of clinics, satellite laboratories, hospitals, and physician offices.

Quality and consistency that provides you the performance of a high end system in a compact easy to use analyzer with:

- Only two square feet of counter space required
- 16 or 18 parameter blood cell count including white cell differential and WBC, RBC, and Plt Histograms
- Controls and calibrators designed for closed vial sampling
- Three user definable reference ranges for high/low flagging of patient results
- Zero routine maintenance and high system reliability to help contain cost

Authentic Beckman Coulter technology ensures the reporting of accurate and reliable results with:

- Triplicate counting
- Extended platelet counting and patented sweep flow technology
- Continuous aperture monitoring

Efficient data management and reporting options meet your laboratory needs with:

- Choice of graphical printout with histograms or ticket printout
- Up to six different reporting profiles
- Ability to enter institutional header
- Recall of patient results

Automated quality assurance functions that improve your productivity including:

- Automatic validation of quality control data (high/low flagging)
- Storage for three levels of quality control data
- Automated calibration
- Automated download for Beckman Coulter Interlaboratory Quality Assurance Program (IQAP)

SYSTEM SPECIFICATIONS

Method and Technologies

Coulter Principle: counting and sizing
 Triplicate counting
 Extended platelet counting
 Cyanmethemoglobin

Parameters

WBC	MPV
RBC	Pct*
Hgb	PDW*
Hct	LY%
MCV	LY#
MCH	MO%
MCHC	MO#
RDW	GR%
Plt	GR#

*Not intended for diagnostic use.

Sample Analysis Characteristics

Closed or open vial sampling
 18 µl Whole blood closed or open vial modes
 20 µl Predilute mode
 Automatic diluent dispense
 Automatic probe wipe

Throughput

Results in less than 60 seconds
 Minimum of 50 samples per hour

Data Management

Patient ID auto-numbering
 14 digit manual patient ID
 Three user definable patient ranges
 Data storage for 250 patient results
 QC storage for 3 controls and 279 results
 Levy Jennings graphs

User Interface

Touch screen
 Language independent icons
 Single screen display for all results
 Single screen for all input

Linearity

Parameter	Linearity Range	Difference
WBC	0.0 - 99.9 x 10 ³ cells/µl	±0.3 or ±5%
RBC	0.0 - 7.00 x 10 ⁶ cells/µl	±0.05 or ±5%
Hgb	0.0 - 25.0 g/dl	±0.2 or ±3%
Plt	0.0 - 999 x 10 ³ cells/µl	±10 or ±10%

Operating Range

Parameter	Range
WBC	0.0 - 150.0 x 10 ³ cells/µl
RBC	0.0 - 8.0 x 10 ⁶ cells/µl
Hgb	0.0 - 30.0 g/dl
MCV	0.0 - 130.0 fl
Plt	0 - 3000 x 10 ³ cells/µl
MPV	5.0 - 20.0 fl

Parameter Range (cont.)

LY%, MO%, GR%	0-100%
LY#, MO#, GR#	0-99.9 x 10 ³ cells/µl

Printers

Graphics Printer
 Single Ticket Printer

Host Communication

RS232C with ASTM standards

Dimensions/Weight

Height	49 cm (19 in)
Width	45 cm (18 in)
Depth	43 cm (17 in)
Weight	20 kg (45 lb)

Power

100v±10%	50/60 Hz
120v±10%	50/60 Hz
220v±10%	50/60 Hz
240v±10%	50/60 Hz

Consumption

Less than 120W

Installation

Category II per IEC 1010-1

Running samples is as simple as:



1 Check sample mode and ID number.



2 Place sample of control tube into the closed vial sample station.



3 Review results in less than 60 seconds.



You have a choice of reagent systems depending on your workload requirements. There is a convenient onboard 4L AC-T Tainer™ for low to mid volume laboratories or 15L diff AC-T Pak™ for high volume usage both with reagent management card technology. Beckman Coulter controls, calibrators, and reagents ensure maximum performance. Instrumentation, service and reagents designed to simplify and automate your laboratory process—INCREDIBLE INNOVATION AT AN AFFORDABLE PRICE.

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Primary Care Diagnostics

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