COULTER® AC•T diff" Instrument Specifications

PARAMETERS WBC RBC Hgb HCT MCV MCH

PLT



SAMPLE ANALYSIS CHARACTERISTICS - Whole blood 12 uL RDW - Predilute 20 µL, with on-board diluent dispense

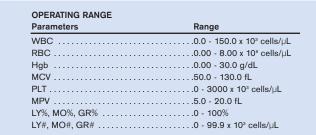
- Automatic probe wipe MPV - Single-button operation with touch screen PCT*

PDW* DATA MANAGEMENT LY % - Patient ID auto-numbering LY# - 14-digit manual patient ID MO %

- Three user-definable patient ranges MO# - Data storage for 250 patient results GR % - QC storage for 3 controls and 279 results GR#

- Levey Jennings graphs Printed WBC, RBC,

PLT Histograms



SAMPLE STABILITY

- CBC/diff 24-hr room temperature

THROUGHPUT

Results in less than 60 seconds

COULTER

B2009-9657-PO-5K

We're better together

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DIAG-PRINTED IN U.S.A.

PRINTER

- Dot matrix graphics printer

Single-ticket printer

- LED Page Printer

- Minimum 50 samples/hour

USER INTERFACE Touch screen

> - Language-independent icons Single screen for all input

- One button sample aspiration

- ASTM, RS232 host communications

DIMENSIONS/WEIGHT

Height: 42 cm (16.5 inches) **Depth:** 39 cm (15.4 inches) Width: 38 cm (15 inches) Weight: 14 kg (30 lbs)

REAGENT ORDER INFORMATION

A ^C ·T diff	Configuration	Part Number
diff A ^C ·T Tainer™	4 Liter	8547135
diff A ^C ·T Pak™	15 Liter	8547134
A ^C ·T Rinse [™]	500 mL	8547113
S-Cal® Calibrator	1 x 6 mL	7547005
4C®- ES Tri-Pack	12 x 3.3 mL	7547187
4C®- ES Tri-Pack	9 x 3.3 mL	7547189

*For research use only. Not for use in diagnostic procedures in the United States.

COULTER® AC•T diff 2 **Instrument Specifications**

PARAMETERS

WBC RBC Hgb HCT MCV MCH MCHC RDW

PLT

PDW*

LY %

LY#

MO %

MO#

GR %

GR#



SAMPLE ANALYSIS CHARACTERISTICS - Closed- or open-vial sampling

- Whole blood closed- or open-vial mode 18 µL - Predilute 20 µL with on-board diluent dispense MPV - Automatic probe wipe PCT*

- Single-button operation with touch screen

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

Printed WBC, RBC - Levey Jennings graphs PLT Histograms

OPERATING RANGE	
Parameters	Range
WBC	0.0 - 150.0 x 10 ³ cells/µL
RBC	0.00 - 8.00 x 10° cells/µL
Hgb	0.00 - 30.0 g/dL
MCV	
PLT	0 - 3000 x 10 ³ cells/µL
MPV	
LY%, MO%, GR%	
LY#, MO#, GR#	0 - 99.9 x 103 cells/µL

SAMPLE STABILITY

- CBC/diff 24-hr room temperature

THROUGHPUT

- Minimum 50 samples/hour

- Results in less than 60 seconds

PRINTER

- Single-ticket printer

- LED Page Printer

USER INTERFACE

- Touch screen

- Language independent icons

- Single screen display of all results Single screen for all input

- ASTM, RS232 host communications

DIMENSIONS/WEIGHT

Height: 45 cm (18 inches) Depth: 40 cm (16 inches) Width: 49 cm (19 inches) Weight: 20 kg (45 lbs)

REAGENT ORDER INFORMATION

diff A ^C ·T Pak™ 15 Liter 854713 A ^C ·T Rinse™ 500 mL 854711 S-Cal® Calibrator 1 x 6 mL 754700 4C®- ES Tri-Pack 12 x 3.3 mL 754718	A ^C ·T diff 2	Configuration	Part Number
A ^C ·T Rinse™ 500 mL 8547113 S-Cal® Calibrator 1 x 6 mL 754700 4C®- ES Tri-Pack 12 x 3.3 mL 754718	diff A ^C ·T Tainer™	4 Liter	8547135
S-Cal® Calibrator 1 x 6 mL 754700 4C®- ES Tri-Pack 12 x 3.3 mL 754718	diff A ^C ·T Pak™	15 Liter	8547134
4C°- ES Tri-Pack 12 x 3.3 mL 754718	A ^C ·T Rinse [™]	500 mL	8547113
	S-Cal® Calibrator	1 x 6 mL	7547005
4C®- ES Tri-Pack 9 x 3.3 mL 754718	4C®- ES Tri-Pack	12 x 3.3 mL	7547187
	4C®- ES Tri-Pack	9 x 3.3 mL	7547189

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COULTER® AC•T™5diff CP Instrument Specifications

PARAMETERS

WBC MCHC NE# RDW NE% PLT LY# MPV LY% PCT* MO# PDW* MO% EO#

EO%

BA#

BA%

ATL#*

ATL%*

IMM#*

SAMPLE ANALYSIS CHARACTERISTICS - Closed- or open-vial sampling

- 53 uL whole blood CBC/diff Mode - 30 µL whole blood CBC-only Mode

DATA MANAGEMENT

- Auto-sequence run number available - 20 patient ranges with 5 programmable ranges

IMM%* for gender and age flagging RBC - Data storage for 10,000 patients

- 20 result action ranges with interpretive messages Hgb HCT

- On-board Help files - 24 Control files

MCV MCH - RS232 host transmission

OPERATING RANGE	
Parameters	Range
WBC	0-100 x 10 ³ cells/µL
RBC	0-10 x 10 ⁶ cells/µL
Hgb	0 - 30 g/dL
HCT	
PLT	0 - 1500 x 10 ³ cells/µL

- LED Page Printer

SAMPLE STABILITY PRINTER

- CBC 48-hr room temperature

- Diff 24-hr room temperature

THROUGHPUT

- Up to 60 samples/hour

USER INTERFACE - Stand-alone PC operating Windows† NT-based

Part Number

- On-board Quality Assurance, patient storage and worklists ASTM, RS232 host communications

DIMENSIONS/WEIGHT

Height: 58.0 cm (23.0 inches) **Depth:** 50.1 cm (19.8 inches) Width: 44.4 cm (17.5 inches) Weight: 36.2 kg (80 lbs)

REAGENT ORDER INFORMATION AC-T 5diff CP Configuration

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A ^C ·T™ 5diff Diluent	20 Liter	8547169
A ^C ·T™ 5diff Hgb Lyse	400 mL	8547168
A ^C ·T™ 5diff Fix	1 Liter	8547171
A ^C ·T™ 5diff WBC Lyse	1 Liter	8547170
A ^C ·T™ 5diff Rinse	1 Liter	8547167
A ^C ·T™ 5diff Calibrator	2 x 2 mL	7547175
A ^C ·T™ 5diff Control Plus	6 x 2.3 mL	7547198

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COULTER® AC•T™5diff AL

Instrument Specifications

PARAMETERS WBC MCHC NE# RDW NE% PLT LY# MPV LY% PCT* MO# PDW* MO%

BA%

MCH

SAMPLE ANALYSIS CHARACTERISTICS - 100-sample autoloader EO# - Closed- or open-vial sampling via manual (stat) mode EO% - 53 uL whole blood CBC/diff Mode BA# - 30 µL whole blood CBC-only Mode

ATL#* DATA MANAGEMENT ATL%* IMM#* - Auto-sequence run number available

IMM%* - 20 patient ranges with 5 programmable ranges RBC for gender and age flagging - Data storage for 10,000 patients

- 20 result action ranges with interpretive messages **HCT** - On-board Help files MCV

OPERATING RANGE Range Parameters ..0-100 x 103 cells/uL ..0-10 x 10⁶ cells/uL ...0 - 30 g/dL . . .0 - 80% ..0 - 1500 x 103 cells/uL

SAMPLE STABILITY

THROUGHPUT

- Up to 80 samples/hour

PRINTER

- LED Page Printer

- CBC 48-hr room temperature - Diff 24-hr room temperature

USER INTERFACE

- Stand-alone PC operating Windows NT-based

- On-board Quality Assurance, patient storage and worklists ASTM. RS232 host

DIMENSIONS/WEIGHT

Height: 54.0 cm (21.5 inches) Width: 81.5 cm (32. inches)

REAGENT ORDER INFORMATION AC-T 5diff AL Configuration

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A ^C ·T™ 5diff Diluent	20 Liter	8547169
A ^C ·T™ 5diff Hgb Lyse	400 mL	8547168
A ^C ·T™ 5diff Fix	1 Liter	8547171
A ^C ·T™ 5diff WBC Lyse	1 Liter	8547170
A ^C ·T™ 5diff Rinse	1 Liter	8547167
A ^C ·T™ 5diff Calibrator	2 x 2 mL	7547175
A ^C ·T™ 5diff Control Plus	6 x 2.3 mL	7547198



Exceptional value. Results you can trust.

> COULTER® AC·T™ Family of Hematology Analyzers



Part Number

*For research use only. Not for use in diagnostic procedures in the United States.

- 24 Control files - RS232 host transmission

- Internal, and optional external, barcode reader

BR-12508A

communications

Depth: 58 cm (22.5 inches) Weight: 55 kg (121.3 lbs)



Performance You Can Count On

Our Ac•T family of hematology analyzers delivers an unmatched combination of simplicity, affordability and compact design. From our proven 3-part histogram differential analysis to our full 5-part differential analysis, each analyzer delivers consistently accurate test results. Plus, our systems are backed by our superior service and support for maximum uptime.

- Proven technologies in affordable systems
- High-quality analyzers that provide results you can trust
- Complete system of superior reagents and controls
- · Unparalleled level of customer service and support

COULTER® AC•T™ 5diff Auto Loader (AL)

Hematology Analyzer



Hematology Analyzers



CBC with 5-part Differential

- 100-sample auto loader and open- or closed-vial manual (STAT) sampling with multiple tube size capability
- Extensive data management capabilities for optimal record keeping
- · On-board Help files assist operator training
- 53 µL sample size for CBC with 5-part differential
- 80 samples-per-hour throughput ensures productivity
- Zero routine maintenance requirements and high system reliability help contain costs

COULTER® AC•T™5diff Cap Pierce (CP)



CBC with 5-part Differential

- Closed-vial sampling, automatic cap-piercing with multiple tube size capability
- Extensive data management capabilities for optimal record keeping
- On-board Help files assist operator training
- 53 µL sample size for CBC with 5-part differential
- 60 samples-per-hour throughput ensures productivity
- Zero routine maintenance requirements and high system reliability help contain costs

COULTER® AC•T diff 2™

Hematology Analyzer



CBC with 3-part Differential

- Closed-vial sampling accommodates a variety of collection
- Small 18 µL sample size in either closed- or open-vial modes
- Compact Only two square feet of counter space required
- Efficient data management meets your laboratory's needs
- Automated quality assurance functions improve productivity
- Controls and calibrators designed for closed-vial sampling
- Zero routine maintenance requirements and high system reliability help contain costs

COULTER® AC•T diff™

Hematology Analyzer



CBC with 3-part Differential

- One-step sample processing with touch screen user interface
- Automated probe wipe safely cleans the probe
- Small 12 µL sample size permits whole blood analysis from both venous and capillary collections
- Compact design lets you put the AC •T diff anywhere
- Results available in less than 60 seconds
- Efficient data management with patient and control
- Optional Veterinary software
- · Zero routine maintenance requirements and high system reliability help contain costs

To help maintain optimal system performance, each hematology analyzer is backed by Beckman Coulter's:

- Superior customer service and support to increase laboratory productivity
- Specially formulated reagents, controls and calibrators to ensure consistently reliable results
- Interlaboratory Quality Assurance Program (IQAP), which complements in-house quality control efforts and increases confidence in results

Target volume: Ideal for customers performing 10-100 CBCs a day.

Target volume: Ideal for customers performing 10-100 CBCs a day.

Target volume: Ideal for customers performing 1-100 CBCs a day.

Target volume: Ideal for customers performing 1-50 CBCs a day.