

FP 1000 CELL PREPARATION SYSTEM

Specifications

Liquid Handling

Volume Range
Pipetting Module (5 uL to 1,000 uL)
Syringe Pump Size
Aspiration/Dispense pump 2 mL
Wash/Prime pump 5 mL
IMMUNOPREP™ reagents A, B, C 2 mL
Flow-Count™ pump 2 mL

Specimen Size

5 uL to 1,000 uL (Volumes over 100 uL are delivered in multiple aliquots. Maximum aliquot volume is 100 uL)

Specimen Tube Size

10 to 13 mm tubes
3 mL (10.25 x 64 mm) pediatric tubes
2 mL (13 x 47 or 50 mm) pediatric tubes

Specimen Tube Types

Becton Dickinson Vacutainer® Tubes Worldwide
Becton Dickinson Glass Tubes with Hemogard® Closure
Sarstedt
Sherwood Medical Tubes (Monoject)

Specimen Cassette Sizes

Two sizes:
13 mm diameter tubes control tubes and pediatric size tubes in adaptors
16 mm diameter tubes

Carousel Tubes (Daughter Tubes)

12 x 75 mm straight polypropylene or polystyrene test tubes

Bar Code Symbolologies

(Sample Identification)
Code I28 (USD-6)
Code 39
Interleaved 2 of 5 (also known as I2 of 5, UDS-I and USD-3)
Codabar (also known as USD-4 and NW7)

System Performance

Accuracy (by weight)

	Specification	Example Study Data
10 uL	9-12 ul	0.011
20 uL	18-22 ul	0.021
50 uL	47-53 ul	0.050
100 uL	95-105 ul	0.098

Precision

	Specification (%CV)	Example Study Data (%CV)
10 uL	CV<10%	1.94%
20 uL	CV<10%	2.51%
50 uL	CV<5%	1.73%
100 uL	CV<5%	1.05%

Carryover

	Range	Example Study Data
Fluorescence	<1%	0.0%
Primary Blood Sample	<1%	<0.08%

Throughput

>80 daughter tubes per hour
Example data: 90 daughter tubes per hour in batch mode with tetraCXP (approx. 3 carousels per hour)

FP 1000

Height 82 cm (32 in)
Width 123 cm (48 in)
Depth 77 cm (30 in)
Weight 91 kg (200 lb)

Computer

Height 15.9 cm (6.2 in)
Width 53.9 cm (21 in)
Depth 43.0 cm (16.8 in)
Weight 18.1 kg (40 lb)

Monitor

Height 43.1 cm (16.8 in)
Width 40.8 cm (15.9 in)
Depth 44.3 cm (17.3 in)
Weight 22 kg (48.4 lb)

Power Requirements

Installation Category – Over voltage Category II
Input Voltages – 100/240 Vac
Frequency – 48/62 Hz
Maximum Power – 150 W

Noise

≤ 65 db

Operating Temperatures

16 to 32°C (60 to 90°F)

Operating Humidity Range

30% to 85%, without condensation

Safety

UL, CSA and CE

Pollution

Degree 2

Altitude

Up to 2,000 m

Workstation

Computer

Intel® Pentium® 4 microprocessor

Data Storage

3.5 in, 1.44 MB diskette drive
40 GB hard disk
52x (or higher) CD-ROM drive, MPCII compatible
750 MB ZIP® drive

Interfaces

Windows® 2000 SP4
Bidirectional asynchronous serial interfaces for communication with mainframes and personal computers via Data Innovation's Instrument Manager*

Monitor

SVGA flat-screen 17 inch color monitor

Communications

One parallel port
Two USB ports
Onboard Ethernet network interface

Input Devices

PS/2 optical IntelliMouse®
Standard IBM-AT compatible 102 key board
Chumoto hand held bar code reader

*Vacutainer is a registered trademark, and Hemogard is a trademark of Becton, Dickinson and Company. Instrument Manager is a trademark of Data Innovations, Inc. ZIP is a registered trademark of Iomega Corporation. Windows and IntelliMouse are registered trademarks of Microsoft Corporation. All trademarks are the property of their respective owners.



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○ **COMPLEX PROTOCOLS** > *simplified*

○ **DIFFICULT TEST PANELS** > *streamlined*

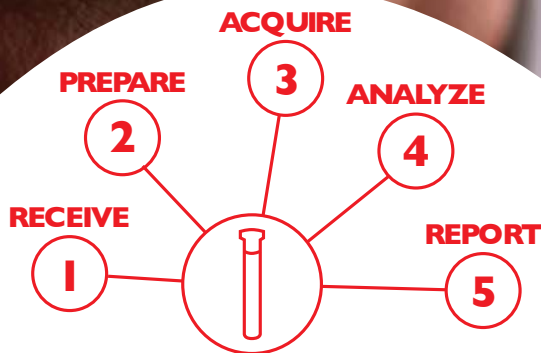
○ **CONNECT MULTIPLE PARAMETERS TO A SINGLE SAMPLE** > *easily*

○ **SAMPLES HANDLED** > *safely*

○ **RESULTS REPORTED** > *reliably*

○ **DATA MANAGED** > *productively*

*Solving complex testing issues.
Efficiently, reliably, safely.*



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