



INDUSTRY-PROVEN RELIABILITY AND PRODUCTIVITY

PK7400 Automated Microplate System

Unmatched throughput. Simple to use. Reliable results.



MARKET LEADER IN ANALYZER THROUGHPUT

WITH A HISTORY OF RELIABILITY FOR BLOOD-DONOR IMMUNOHEMATOLOGY TESTING

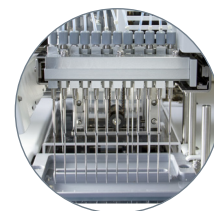
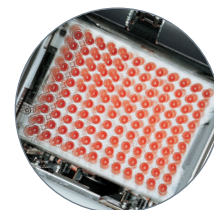
Results you can rely on

Experience the reliability and efficiency of the industry-leading PK7400 Automated Microplate System—from your global partner in high-volume donor-center testing solutions. For over 30 years, Beckman Coulter's PK systems have been synonymous with dependability. Today's high-quality PK7400 system is no exception, offering the accuracy and workload capacity customers have come to know and respect.

- › Experience how the terraced microplate—designed specifically for hemagglutination—increases the reliability of each test within the following menu:
 - ABO/Rh
 - Red blood cell screening
 - Cytomegalovirus (CMV)
 - Syphilis (TP)
- › Boost testing efficiency with the highest throughput available of any high-volume donor-center system
- › Benefit from the convenience and customer-focused care provided by knowledgeable service and support representatives



PK7400 Automated Microplate System



Simplicity and efficiency

High throughput:

Up to 300 samples per hour allows rapid analysis of large sample volumes as well as the ability to test multiple assays per sample.

User-friendly software:

Customized menus, icons and color-keyed graphics reduce training time.

Graphical user interface:

The new operating software provides improved access and visibility to the most common functional areas: reagent management, online maintenance and daily startup tasks.

A new submenu space can be used to display error messages, customized user menus, event details or serve as a blank notepad for operator notes.

And the new graphical user interface achieves a consistent and recognizable user experience across Beckman Coulter instrumentation product lines.

Programmable start-up:

Programmable, fully automated startup mode saves time and promotes workflow efficiency.

Onboard data management:

Store and search test results. Data can also be saved for off-line analysis and archiving or transmitted to a host LIS.

Quality and reliability

Analysis process monitoring:

Dispensed number of samples, reagents and diluents are continuously monitored. Anomalies are automatically detected, displayed and reported.

Stable reaction environment:

A constant reaction environment is maintained and monitored within the incubator to continuously assess system processes.

Reliable analysis using a high-resolution color CCD camera:

The reaction image and assessment results are displayed in color on the monitor, then stored as image data.

Enhanced test reliability using ID management:

Barcodes provide automated management of samples, microplates, reagents and diluents.



UNMATCHED THROUGHPUT



SIMPLE TO USE



RELIABLE RESULTS



PK7400 AUTOMATED MICROPLATE SYSTEM

Specifications

Electrical Requirements:

Electrical consumption:	3.0 KVA maximum
Current:	15~30 amp (with UPS)
Circuit:	Dedicated and noise-free
Voltage:	200/208/220/230/240 VAC (±10%) Single phase
Frequency:	50/60 Hz (±1 Hz)
Ground requirement:	<100 ohms
Location:	Power cable length 10 m (30 ft)

Water Requirements:

Type:	Deionized
Supply:	Continuous flow
Resistivity:	>0.5 mega ohms
Mechanical filtration:	<0.5 μ m (glycerol free) filter at discharge of deionizer
Consumption:	50 L/hour max, instantaneous demand 3.5 L/minute
Pressure:	0.49 x 10 ⁵ Pa to 3.92 x 10 ⁵ Pa (7.1–58.8 PSI)
Location:	Shutoff valve within 10 m (30 ft)
Tubing diameter:	12 mm (ID) x 18 mm (OD)
Connection:	0.5 in barbed-hose fitting

Drain Requirements:

Gravity:	Hazardous-waste floor drain Maximum height: 1.5 m (5 ft) Maximum distance from analyzer: 10 m (30 ft)
Tubing diameter:	15 mm (ID) x 22 mm (OD)

Environmental Requirements:

Average heat output:	7,200 KJ/H (6,824 BTU) max
Ambient temperature:	18–28°C (fluctuations during measurement shall be within +/-2°C)
Ambient humidity:	20%–80% relative humidity
Noise output:	Max 65 dB or less

General Characteristics:

Analytical method:	Agglutination method on terraced microplates
Channels:	12
Throughput:	300 samples/hour with 5 diluted sample cups
Sample capacity:	Capacity of 12 racks or 120 samples; continuous sample-rack loading allowed
Sample tube size:	In primary or secondary tubes: Diameter: 12–15 mm Height: 75–100 mm
Sample:	Plasma; serum; red blood cells
Reagent tray:	Up to 16 reagents can be loaded 12 positions for primary reagents (R1) 4 positions for secondary reagents (R2)
Reaction vessel:	Terraced microplates
Reaction time:	60 minutes
Assays:	ABO blood grouping, Rh typing, including weak D testing, red blood cell antigen screening, syphilis and CMV qualitative screening
Sample barcode:	NW-7; CODE39; CODE128; ISBT-CODE128; and 2 of 5 interleaved EAN-13

Dimensions:

Analyzer	(mm) 1,760 (width) x 920 (depth) x 1,380 (height) (in) 69 (width) x 36 (depth) x 54 (height)
Console	(mm) 800 (width) x 720 (depth) x 1,450 (height) (in) 32 (width) x 28 (depth) x 57 (height)

Weight:	750 kg (1,653 lbs)
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CE Marked and FDA Approved

This system is class I laser-product compliant with IEC 60825-1:2007.

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