

PK7300 AUTOMATED PRETRANSFUSION BLOOD TESTING SYSTEM

SPECIFICATIONS

Electrical Requirements:

Electrical Consumption:	3.0 KVA maximum
Current:	15 ~ 30 Amp (with UPS)
Circuit:	Dedicated and Noise free
Voltage:	110/208/220/230/240 VAC ($\pm 10\%$) 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 μm (glycerol free) filter at discharge of deionizer
Consumption:	60 liters/hour Max, instantaneous demand 3.5 liter/minute
Pressure:	0.49×10^5 - 3.99×10^5 pascal (7.1-56.8 PSI)
Location:	Shut off valve within 10 m (30 ft)
Tubing Diameter:	12 mm (ID) x 18 mm (OD)
Connection:	1/2 inch 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:	7200 KJ/H (682 BTU) Max
Ambient Temperature:	18 - 30° C (fluctuations during measurement shall be within $\pm 2^\circ\text{C}$)
Ambient Humidity:	20% - 80% Relative Humidity
Noise Output (Decibels):	Max 65 dB or less

General Characteristics:

Analytical method:	Agglutination method on terraced microplates
Channels:	12
Throughput:	300 samples/hour with 4 dilution cups; 266 samples/hour with 5 dilution cups
Sample Capacity:	Racks with 10 samples each (barcodes on primary tubes) Capacity of 12 racks or 120 samples; continuous addition
Sample Tube Size:	In primary or secondary tubes; Diameter - 12 or 15 mm; height between 75 and 100 mm
Sample:	Plasma; Serum; Red Blood Cells; Red Blood Cell Suspension
Reagent Tray:	Up to 16 reagents can be loaded
Reaction Vessel:	Terraced microplates
Reaction Time:	20 - 60 minutes
Assays:	ABO Grouping, Rh typing, Phenotyping (Rh, Kell and others), Irregular antibody screening (with saline and enzyme method), Infectious Disease screening (TP, CMV and others)*
Sample Barcode:	NW-7; CODE39; CODE128; ISBT-CODE128; and 2 of 5 Interleaved

* Not all assays are available in all markets.

This system contains a Class I laser product compliant with IEC 60825-1:2007

Beckman Coulter, the stylized logo and PK are trademarks of Beckman Coulter, Inc. and are registered with the USPTO.

Windows is a registered trademark of Microsoft Corporation.

For Beckman Coulter's worldwide office locations and phone numbers, please visit www.beckmancoulter.com/contact

BR-13992C B2014-14974

© 2014 Beckman Coulter, Inc.

www.beckmancoulter.com



INDUSTRY-PROVEN RELIABILITY AND PRODUCTIVITY

PK7300 Automated Pretransfusion
Blood Testing System

LAB FORWARD



EXPERIENCE THE SAME PROVEN TECHNOLOGY AND IMPROVED EFFICIENCY IN YOUR BLOOD BANK

RESULTS YOU CAN RELY ON >

The Beckman Coulter PK7300 Automated Pretransfusion Blood Testing System builds on the industry established reliability and productivity of its predecessors and offers the very latest in technological advances.



PK7300
Automated Pretransfusion
Blood Testing System



SIMPLICITY AND EFFICIENCY >

High throughput:

Throughput of up to 300 samples per hour allows rapid analysis of large volumes of samples.

User-friendly Software:

Reduce training time with customized menus, icons and color-keyed graphics.

Graphical User Interface:

Features drop-down menus, easy-to identify icons, full-color graphics and charts for simplified operation and easy training.

Single-screen System Check:

Color-keyed graphic display screen for immediate monitoring of system status, reagent inventories and temperature control.

Programmable Start-up:

Programmable, fully automated start-up mode saves time and money.

On-board Data Management:

Store and search test results. Data can also be saved for off-line analysis and archiving.

QUALITY AND RELIABILITY >

Analysis process monitoring:

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

Stable reaction environment:

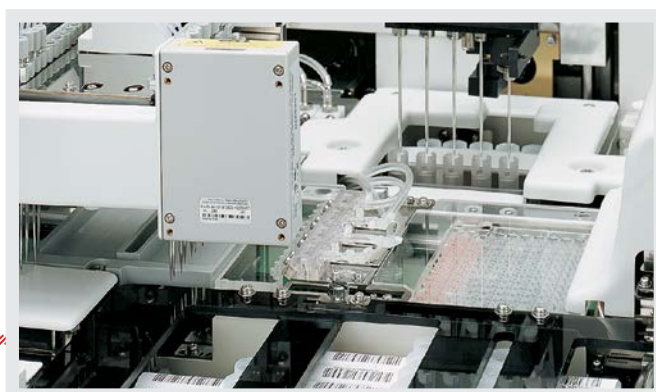
A constant reaction environment is maintained by using heat from a panel type radiator and an onboard humidifying function that reduces the amount of evaporation within the incubator.

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:

Automatic management of samples, microplates, reagents and diluents, using barcodes.



Barcode Reader: Scans the microplate for identification at dispensing and photometry.