

cobas p 512 pre-analytical system

Technical specifications



System description

Basic System	cobas p 512 pre-analytical system	07563124001
Basic Specifications	<ul style="list-style-type: none"> • Continuous loading of tubes • Simultaneous loading of different tube types • Prioritization of urgent samples • Registration of samples • Comprehensive inspection of sample quality <ul style="list-style-type: none"> - Tube type identification via tube dimensions & cap color (used to cross-check the tube type with the test request and/or specimen) - Liquid level check and sample volume calculation through 3 barcode labels - Spin status detection • Decapping of tubes • Simultaneous decapping of hemogard, screw and rubber stopper caps • Removal of caps with a twist and pull motion to prevent build-up of aerosols • Sorting according configurable sorting criteria, including utilizing sample quality check information for error handling • Flexible and freely definable input and output areas: <ul style="list-style-type: none"> - Into and out of racks - Out of centrifuge buckets • Definable output areas for tubes with specific errors (e.g. barcode not readable, no test requests) • First pass and recursive workflow • Automatic barcode alignment of tubes for reading and sorting • Archiving of samples 	

System description

Options	Bulk loader module for cobas p 512/612 Bulk loader module for cobas p 471 cobas p 471 centrifuge unit cobas p 671 centrifuge unit QSI camera Primary recapping module • Sealing foil (9 x 500 foils)	07135645001 07084285001 07563787001 07563795001 07563132001 07563701001 04453859001
Optional Specifications	<ul style="list-style-type: none">• Bulk loading of samples• Centrifugation of samples (connection to single or double centrifuge)• Recognition of sample quality into 5 different user-defined categories (serum ok, light hemolytic, hemolytic, lipemic, icteric)• Capture of sample image	
Specifications		
Throughput	Up to 1400 tubes per hour (basic system)	
Sample identification	<ul style="list-style-type: none">• Positive sample identification via barcode• Barcode types supported: Codabar, 2 of 5 interleaved (ITF), Code 39, Code 128 (incl. ISBT 128), others*	
Input / Output Capacity	<ul style="list-style-type: none">• Input: 600 samples, 4 drawers, up to 30 targets• Output: 1200 samples; 8 drawers, up to 41 targets	
Tube types	Supports established tubes for hematology, coagulation, serum, plasma and urine manufactured by BD, Sarstedt, Kabe, Greiner, Terumo and other tube vendors <ul style="list-style-type: none">• Accepts most 3, 5, 7 and 10 ml plastic tubes• Tubes can be qualified on request	
Sample carriers	Supports racks supplied from Roche and other vendors <ul style="list-style-type: none">• Standard racks• Analyzer racks• Archive racks• Centrifuge buckets	
Dimensions	<ul style="list-style-type: none">• Width: approx. 2.39 m (94.1")• Depth: approx. 1.41 m (55.5")• Height: approx. 1.84 m (72.4")• Weight: approx. 744 kg (1640 lbs) Control unit is incorporated on the system	
Operating conditions	<ul style="list-style-type: none">• Designed for indoor operation up to 2000 meters above sea level• Ambient temperature +15 °C to +30 °C (+59 °F to +86 °F)• Relative humidity 20 % to 80 %• Power consumption: approx. 800 W• Voltage: 230 V, 50/60 Hz (fuse 6.3 AH) and 115 V, 50/60 Hz (fuse 10 AH)	
Compressed air	<ul style="list-style-type: none">• Dry and oil free• Air pressure: min. 6.5 bar (94 psi) to max. 8.0 bar (116 psi)• Air consumption: approx. 94 l/min (24.8 gals/min), with recapper	
Interface	<ul style="list-style-type: none">• ASTM protocol• Network connection via RS 232 and Ethernet• Remote access for diagnosis and service	
Safety marks	CE, ETL	

* Other barcode types can be checked on request

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Published by:

Roche Diagnostics (Schweiz) AG
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