

cobas p 512 pre-analytical system

Technical specifications



System description

Basic System	cobas p 512 pre-analytical system	07563124001
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| 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 label- 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 |
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System description

Options	Bulk loader module for cobas p 512/612	07135645001
	Bulk loader module for cobas p 471	07084285001
	cobas p 471 centrifuge unit	07563787001
	cobas p 671 centrifuge unit	07563795001
	QSI camera	07563132001
	Primary recapping module	07563701001
	• Sealing foil (9 x 500 foils)	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
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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	Input <ul style="list-style-type: none">• 600 samples, 4 drawers, up to 30 targets Output <ul style="list-style-type: none">• 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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Roche Diagnostics International Ltd
CH-6343 Rotkreuz
Switzerland
www.cobas.com