

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 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 	

System description

Options	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> ▪ Sealing foil (9 x 500 foils) 	<ul style="list-style-type: none"> 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	<p>Supports established tubes for hematology, coagulation, serum, plasma and urine manufactured by BD, Sarstedt, Kabe, Greiner, Terumo and other tube vendors</p> <ul style="list-style-type: none"> ▪ Accepts most 3, 5, 7 and 10 ml plastic tubes ▪ Tubes can be qualified on request
Sample carriers	<p>Supports racks supplied from Roche and other vendors</p> <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) <p>Control unit is incorporated on the system</p>
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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