

cobas p 612 pre-analytical system

Technical specifications



System description

Basic System	cobas p 612 pre-analytical system	07563116001
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 - Sample clot detection (during aliquoting) • Decapping of tubes • Simultaneous decapping of hemogard, screw and rubber stopper caps • Removal of caps with a twist and pull motion to prevent buildup of aerosols • Aliquoting according configurable criteria, including utilizing sample quality check information (up to 28 aliquots from one primary tube) • Aliquot labelling • Safety cross check of the aliquot barcode with the primary barcode • Definable pipetting volume (disposable tip is not exchanged in case of multiple sample uptake) • 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 Primary and secondary recapping module • Sealing foil (9 x 500 foils) 	<ul style="list-style-type: none"> 07135645001 07084285001 07563787001 07563795001 07563132001 07563701001 07563710001 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 without aliquoting)*	
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 	
Aliquot tips	<ul style="list-style-type: none"> • Disposable tips for carry-over free • 384 tips on board in 4 tip racks • Standard pipetting tips, non-conductible 1000 µl (10 x 96) 04976274001 • Dualfilter pipetting tips, non-conductible 1000 µl 	
Aliquot tubes	<ul style="list-style-type: none"> • Round bottom tube 13 x 75 mm • False bottom tube 13 x 75 mm 	
Dimensions	<ul style="list-style-type: none"> • Width: approx. 3.14 m (123.6") • Height: approx. 1.84 m (72.4") • Depth: approx. 1.41 m (55.5") • Weight: approx. 878 kg (1936 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. 1000 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	

* The final throughput depends on different parameters as for example the aliquot volume or the number of aliquots per primary tube

** Other barcode types can be checked on request

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