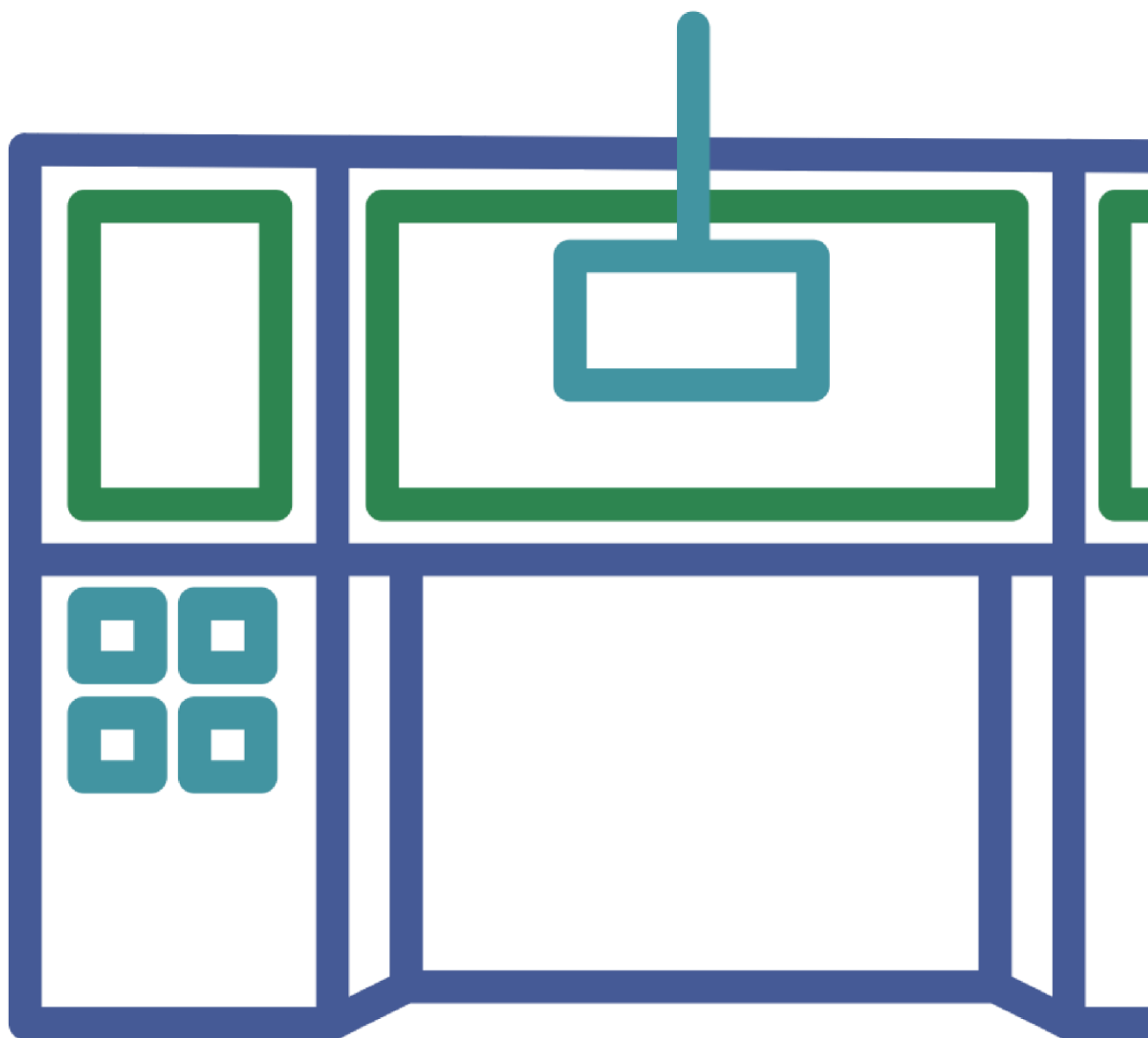


cobas[®] prime Pre-analytical System

Specification sheet version 2.0



Performance specifications

Available throughput (8 hrs 24 hrs)*	Up to 1600 Up to 4800
Specific throughput	Throughput 96/h <ul style="list-style-type: none"> • SurePath™ • ThinPrep® PreservCyt Solution/Roche Cell Collection Medium (RCCM) • Dried Blood Spot • Plasma Separation Card Throughput 200/h <ul style="list-style-type: none"> • Decapping • Recapping for archiving
Work-away time*	Up to 6.5 hours (continuous loading supported)
User interactions	<ul style="list-style-type: none"> • Load/unload samples • Load consumables • Load reagents • Unload solid and liquid waste • Address samples with processing errors directly at the workbench via single error line or via error tray.
cobas® prime User Workflow	<p>Create fully automated standardized user workflows. Configurable parameters:</p> <ul style="list-style-type: none"> • Vortex time • Aliquot volume • User defined reagent • Reagent addition volume • Heating time • Shaking on/off • Cooling time
Sample type compatibility	<ul style="list-style-type: none"> • Liquid-based cytology samples (SurePath™ vial, ThinPrep® PreservCyt Solution, Roche Cell Collection Medium) • Urine in cobas® PCR Media Urine • Swab in cobas® PCR Media Swab • Dried Blood Spot • cobas® Plasma Separation Card • Serum/plasma (decapping only)

*May vary based on workflow demands and tube type

Onboard inventory

Samples (in universal trays)	Liquid-based cytology container up to 340 or Primary tubes up to 1240
Pipette tips (per tray)	Up to 384 tips in 4 tip trays
Secondary tubes (per tray)	Up to 170 tubes
Total tray storage	Up to 21 trays
Flexible caps	Up to 500 pieces
5-position-racks	105 racks with stabilizers



Reagent bottles (loaded in pairs of the same reagent)	6 x 1 L bottles (3 pairs)
Overview of reagents:	
cobas ® sample preparation buffer	Up to 6 bottles
cobas ® PCR media	Up to 6 bottles
cobas ® Specimen Pre-Extraction Reagent (SPER)	Up to 6 bottles
cobas ® User Workflow Reagent Bottle (UWRB)	Up to 2 bottles (Reagent bottle for user workflow)
Liquid waste container	1 container

Barcode types supported (1-23 characters)

1D barcodes*	<ul style="list-style-type: none"> • Codabar • Code 128 • Code 39 • Code interleaved 2 of 5 (disabled by default) • Code 93 • Code EAN-8 • Code EAN-13 (including JAN code)
2D barcodes*	<ul style="list-style-type: none"> • QR Code • Data matrix • PDF417 • AZTEC

*The **cobas**® prime Pre-analytical System supports ASCII codes 32-126 in the barcode

Compatible sample containers

Size	Acceptable measurement (mm)
Tube height	75-100
Tube outside diameter (includes barcode label)	12-16
SurePath™ vial height	~52.4
SurePath™ vial diameter	~52.4
ThinPrep® PreservCyt Solution, RCCM vials height	~75.4
ThinPrep® PreservCyt Solution, RCCM vials diameter	~34.5

Power supply

	Without Process Plus Module (PRP)	With Process Plus Module (PRP)
Line voltage	2 phase 200-240 VAC +/- 10% 1 phase 200-240 VAC +/- 10% 1 phase 100-125 VAC +/- 10%	2 phase 200-240 VAC +/- 10% 1 phase 200-240 VAC +/- 10%
Line frequency	50/60Hz +/- 5%	50/60Hz +/- 5%
Maximum power	1600 VA	3200 VA
Insulation coordination	Installation category II (IEC 61010-1)	

Environmental requirements (operating)

Ambient temperature	15°C to 30°C
Ambient humidity	15% to 85% (no condensation)
Altitude	up to 2000m (6562 ft)
Noise emission	below 65 dB (A)



Dimensions & weight

cobas® prime Pre-analytical System without PRP		cobas® prime Pre-analytical System with PRP	
Instrument dimensions	2200 x 2180 x 1740 mm (W x H x D)	Instrument dimensions	2800 x 2180 x 1740 mm (W x H x D)
Instrument weight	1200 kg	Instrument weight	1560 kg

Connectivity

Host connectivity (LIS, Middleware, etc.)	HL7 through TCP/IP, bidirectional communication <ul style="list-style-type: none">• Query for sample orders (LAB-22)• Sample order status change (LAB-26: Sample status, Sample integrity status, primary and secondary sample location)
Automated sample transport	cobas® connection module (CCM) supporting 2 paths to 2 mirrored analyzers
Roche remote support	<ul style="list-style-type: none">• Upload anonymized statistics for preventive maintenance• Screen sharing for remote support

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