

COBAS® AmpliPrep® System

Efficiency. Enhanced Reproducibility. Confidence.

The COBAS AmpliPrep System provides automated sample preparation, “walk-away” technology and significantly reduces hands-on time so your staff can focus on more valuable tasks.

Features and benefits

- 72 samples can be loaded at once and processed within 4 hours to meet high-volume testing demands
- Continuous sample and reagent loading without operation interruption minimizes downtime and maximizes hands-off time for the operator
- Bar-coded sample racks and reagents provide positive sample identification and reagent tracking to reduce hands-on time
- Dedicated and disposable sample processing units minimize the potential for cross-contamination
- Ready-to-use, compact reagent cassettes are designed to eliminate manual preparation time and prevent manual preparation errors



COBAS AmpliPrep System Specifications

Physical Dimensions	65" x 29" x 37" (W x D x H)
Weight	683 lbs.
Electrical Power Requirements	Line voltage: 100 – 125 & 200 – 240 VAC (+10, -15%) Frequency: 50 – 60 Hz
Power Consumption	1,000 VA (instrument) 200 VA (data station)
Technology	Solution-phase magnetic bead separation
Reagents	Requires test-specific, bar-coded, ready-to-use COBAS AmpliPrep Kits
Throughput	Up to 144 specimens per day, based on testing combinations and laboratory workflow
Samples	Serum or plasma, collected in appropriate anticoagulant if necessary
Sample Volume	250 – 1,100 µL (depending on extraction protocol)
On-board Capacity	72 samples per run (maximum)
Incubator Blocks	6 independently programmed incubators with 24 positions each <ul style="list-style-type: none"> • 3 maintained at 60°C • 3 maintained at 37°C
Controls	An Internal Control/Quantitation Standard (IC/QS) can be incorporated into each individual sample and is carried through the sample preparation. It compensates for any potential loss of target and/or traces of potential inhibitors in the consecutive amplification step. <ul style="list-style-type: none"> • Controls included as part of reagent kit and required for each preparation run for FDA-approved assays
Wash Reservoir	2 pre-packaged, 4-liter cube containers of wash reagent (with pressure sensor)
Waste Container	20-liter capacity (with pressure sensor)
Data Station	Custom-built PC (included) with Microsoft® Windows® (NT v. 4.0 and higher) and AMPLILINK® Software to control COBAS AmpliPrep System
Bar-code Scanner	<i>On COBAS AmpliPrep System:</i> on-board bar-code scanner for reagent racks, reagent cassettes and specimen clips <i>On AMPLILINK Data Station:</i> handheld bar-code scanner for original specimen/specimen clip
Host Interfaces	Bi-directional RS-232C interface for host connection
Printer Interfaces	LPT interface via parallel port
Certifications	UL, IEC, FCC, JIS, UL 3101-1, IEC C1010-1, FCC and JIS C1010-1

For more information, contact your Roche Diagnostics representative or call 1-800-428-5074.



Diagnostics

COBAS® TaqMan® 96 Analyzer

Reliability. Flexibility. Confidence.

The COBAS® TaqMan® 96 Analyzer is a fully automated, closed-tube system that makes molecular testing practical for everyday lab use. This robust analyzer integrates easily into your lab and provides a higher level of automation to your PCR analysis.

Features and benefits

- Real-time TaqMan® PCR technology designed to provide a broad linear range and the potential to run one test for quantitative and qualitative requirements
- IVD and RUO capabilities provide flexibility and maximum efficiency
- Run times of approximately 180 minutes increase workflow flexibility and minimize the need for multiple platforms
- AMPLILINK® Software is Windows® driven for ease of navigation, and provides the security of positive sample ID throughout the run, as well as enhanced LIS capabilities
- Automated K-tube handling reduces hands-on time and streamlines workflow



COBAS® TaqMan® 96 Analyzer Specifications

Physical Dimensions	45" x 30" x 37" (W x D x H)
Weight	485 lbs.
Table Dimensions	45" x 30" x 20" (W x D x H)
Data Station Dimensions	PC: 8" x 20" x 18" (W x D x H) Monitor: 20" x 20" x 12" (W x D x H)
Computer Table Dimensions	32" x 32" x 31" (W x D x H)
Technology	Fully automated amplification and detection analyzer for homogeneous 5' nuclease assays
Software	TaqLink® PC Software for operation of the COBAS® TaqMan® Analyzer
Host Interfaces	LAN interface to the laboratory host computer
Printer Interfaces	LPT interface via parallel port, or LAN for remote printing
Data Station	Custom-built PC supplied with the analyzer. Data station runs Microsoft® Windows® NT operating system and TaqLink® Software to control the COBAS® TaqMan® Analyzer.
Certifications	UL, IEC, FCC, JIS, EN, UL 3101-1, IEC 1010-1, FCC and JIS 1010
Electrical Power Requirements	<i>COBAS® TaqMan® Analyzer:</i> Line voltage: 100 – 125 and 200 – 240 VAC (+10%; -15%) Frequency: 50 or 60 Hz (± 2 Hz) Power Consumption: Typically 800 VA (maximum 1,200 VA) Installation category: 2 <i>Data Station:</i> Line voltage: 100 – 125 and 200 – 240 VAC (+10%; -15%) Frequency: 47 – 63 Hz (± 2 Hz) Power Consumption: 200 VA
Thermal Cycler Segments	4 segments x 24 sample (K-tube) positions
K-Carrier Capacity	24 samples per K-carrier. Up to 4 K-carriers can be amplified and detected at one time. Up to 8 K-carriers can be present on the instrument.
K-Tube Plate Capacity	96 samples per K-tube plate. One full K-tube plate can be loaded.
Samples	PCR-ready processed samples
Reagents	No onboard reagents are required on the COBAS® TaqMan® Analyzer. All reagent addition is performed during the sample preparation process.
Thermal Cycler	Contains 24 sample (K-tube) positions in each of four segments (TCA, TCB, TCC, TCD)
Photometer Module	The photometer module consists of 96 channels and 4 different filter combinations and reads all K-tubes simultaneously.
Laser Transmitter	The onboard bar-code reader contains Class 2 IEC 825-1 and EN 60825-1 laser products.

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Diagnostics