



cobas® Liat® System ^{CE}

Redefining point of care with PCR diagnostics



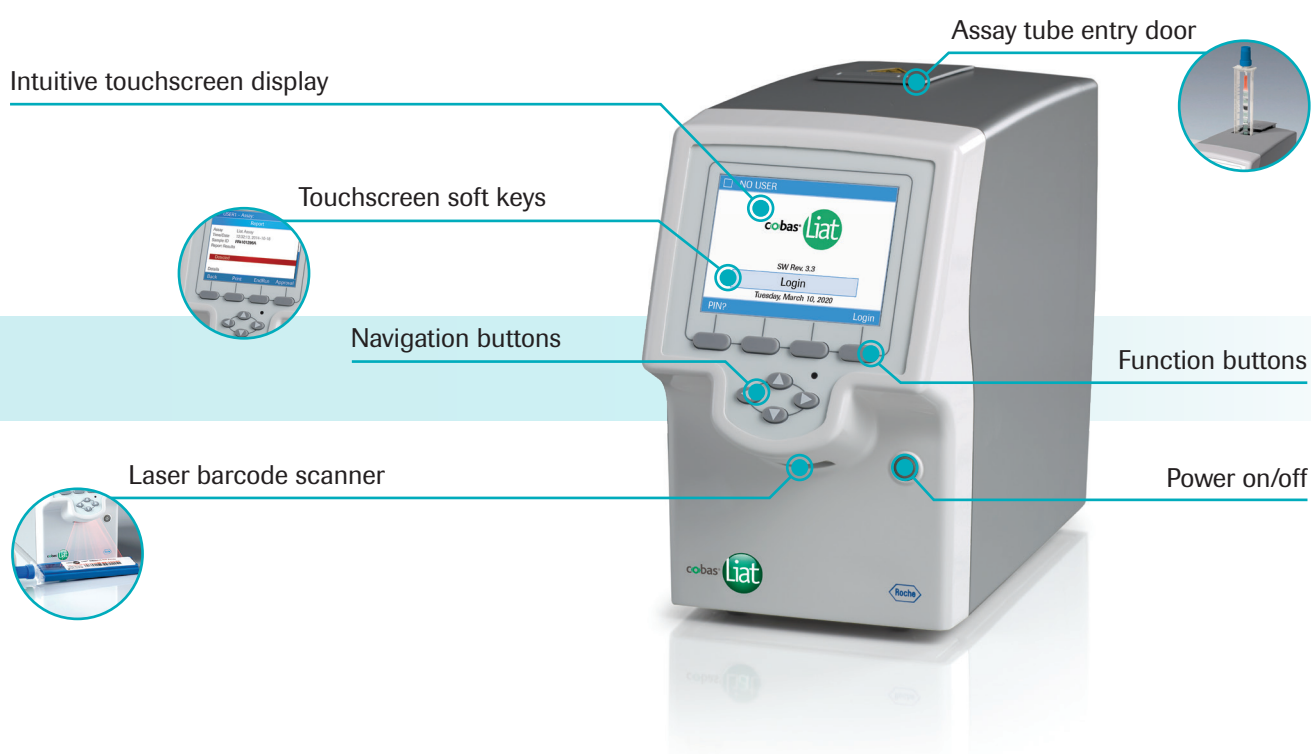
Protected, connected & simplified

The **cobas**® Liat® System is an innovative real-time polymerase chain reaction (PCR) solution that delivers laboratory-quality results at the point of care (POC). Expertly designed for size, speed, and ease of use, the **cobas**® Liat® System is ideal for on-demand STAT testing to support time-sensitive decisions.

Start your journey with the next generation in PCR point-of-care diagnostics

- Small, compact design to fit any clinic, laboratory, or satellite location
- Turnaround time of 20 minutes* or less across a growing menu of assays
- Fully automated workflow, intuitive user interface, and easy-to-interpret results
- Robust design to ensure quality data output and reduced risk of user error
- POC environment connectivity for streamlined data and workflow management

*Turnaround times vary by assay.



Three steps to a result

Traditionally, PCR is a multi-step process performed by a skilled laboratory technician. The **cobas**[®] Liat[®] System simplifies this workflow by fully automating nucleic acid testing processes, including sample preparation, amplification, and real-time detection. The intuitive user interface and simple barcode scanner makes your workflow as easy as sample, scan, start.

Sample

Add your patient sample to the **cobas**[®] Liat[®] assay tube with provided transfer pipette.



Scan

Scan assay tube using built-in barcode reader.



Start

Insert assay tube into the **cobas**[®] Liat[®] Analyser.



Each assay tube contains all reagents required to run a single test. Simply add a patient sample and get definitive results across a growing range of respiratory and healthcare-associated infections.*

*Turnaround times vary by assay.

Expanding assay portfolio



cobas[®] Influenza A/B



cobas[®] Influenza A/B & RSV



cobas[®] Strep A



cobas[®] Cdiff[†]



Others in development



Virus



Bacteria

[†]Available in select markets.

Performance, connectivity, confidence

The **cobas**® Liat® System coordinates connectivity and performance with both LIS and POCT1-A supported protocols. Communicate results and integrate all point-of-care testing devices with a central data management system.

- Centralise control and management over all operators
- Apply approved QC test lot validations to all connected devices remotely
- Easily configure and monitor status of all devices from a single access point



Ask your Roche representative for more information about **cobas**® infinity POC IT solutions.

Designed for a fail-safe experience

The **cobas**® Liat® System is a fully closed system which reduces the risk of cross contamination while preserving sample integrity¹.

- **User security:** Secured login with individual access codes for data privacy
- **Quality control:** Prepackaged internal control in every assay and automated reagent lot recognition
- **Volume sensing:** Monitors input to ensure enough sample is used
- **Real-time monitoring:** Comprehensive error diagnostic system
- **Automated data interpretation:** Automatic analysis, interpretation, and results reporting with no operator intervention
- **Patient verification:** Ensures the right patient is associated with the right sample when analysers are connected to the institution's information system

Molecular point-of-care diagnostics evolved

Patients deserve the best care possible. Since many diseases present similar symptoms early on, there is great need for a reliably accurate point-of-care testing solution. Current diagnostic options may require a compromise between speed and accuracy.

The **cobas**[®] Liat[®] System enables definitive and timely diagnoses, combining powerful PCR technology with a fast turnaround time, allowing you to run tests while patients wait.



Checking symptoms empirically allows a quick diagnosis based on knowledge and experience, but could lead to inappropriate antibiotic treatment



Rapid antigen tests sacrifice accuracy for speed, creating uncertainty around negative results which may require confirmation



Lab cultures have a longer time to result (up to 48 hours) and have been shown to have reduced sensitivity compared to PCR².



Developed for your needs

cobas[®] Liat[®] Analyser specifications

Power supply

Input	Output
100-240V AC /50-60Hz	15V DC / 8.6A

Environmental requirements (operating)

Temperature	Relative humidity	Maximum altitude
+15°C to +32°C (59 °F to 90 °F)	15% to 80% (non-condensing)	2,000 m (6,500 ft.) above sea level

Dimensions and weight

Height	Width	Length	Weight
19.0 cm (7.5")	11.4 cm (4.5")	24.1 cm (9.5")	3.76 kg (8.3 lbs.)

Connectivity

Supports HL-7 and POCT1-A communication protocols

Remote services enabled

Barcode types supported

39, 93, 128 -A & -B, Codabar, Databar-14, EAN-8, EAN-13, GS1, Interleaved 2 of 5

Ordering information

Material number	Product name
07341920190	cobas [®] Liat [®] Analyser

References:

1. cobas[®] Liat[®] System Operators Manual. Pleasanton, CA: Roche Molecular Systems, Inc., 2018.
2. Rao A, Fader R, Walker K, et al. Performance of routine rapid antigen diagnostic testing and bacterial culture compared to PCR testing for the detection of Group A Strep. Poster presented at 2017 IDWeek; Oct 2017; San Diego, CA.

The cobas[®] Liat[®] System is available in select markets.
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