The cobas® Liat® System

Redefining Point of Care with PCR Diagnostics
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 PCR.

Molecular Point-of-Care Diagnostics Evolved
Fast, Easy, and Reliably Accurate

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.
Simple Workflow—No Compromise in Quality

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.

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.*

Expanding assay portfolio

- cobas® Influenza A/B
- cobas® Influenza A/B & RSV
- cobas® Strep A
- cobas® Cdiff
- Others in development

*Turnaround times vary by assay.

†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

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
Developed for Your Needs

**cobas® Liat® Analyzer specifications**

**Power supply**
- **Input**: 100-240V AC/50-60Hz
- **Output**: 15V DC/8.6A

**Dimensions and weight**
- **Height**: 19.0 cm (7.5”)
- **Width**: 11.4 cm (4.5”)
- **Length**: 24.1 cm (9.5”)
- **Weight**: 3.76 kg (8.3 lbs.)

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

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

**Data and display**
- Approximately 20,000 test results with date and time can be stored (varies by file size)
- HL7 and POCT1-A enabled connectivity
- PCR curve display

**Ordering information**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Material number</th>
</tr>
</thead>
<tbody>
<tr>
<td>cobas® Liat® System</td>
<td>07341920190</td>
</tr>
</tbody>
</table>

References:

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

COBAS, COBAS INFINITY and LIAT are trademarks of Roche. All other trademarks are the property of their respective owners.

© 2018 Roche

Roche Molecular Systems, Inc.
4300 Hacienda Drive
Pleasanton, CA 94588
USA

www.molecular.roche.com  www.cobasliat.com