



# cobas® eplex system

Designed for the patient, optimized for the lab

# A true sample-to-answer solution



The **cobas<sup>®</sup> eplex** system automates the diagnostic workflow from physician order entry to the final test report with accurate, actionable results.

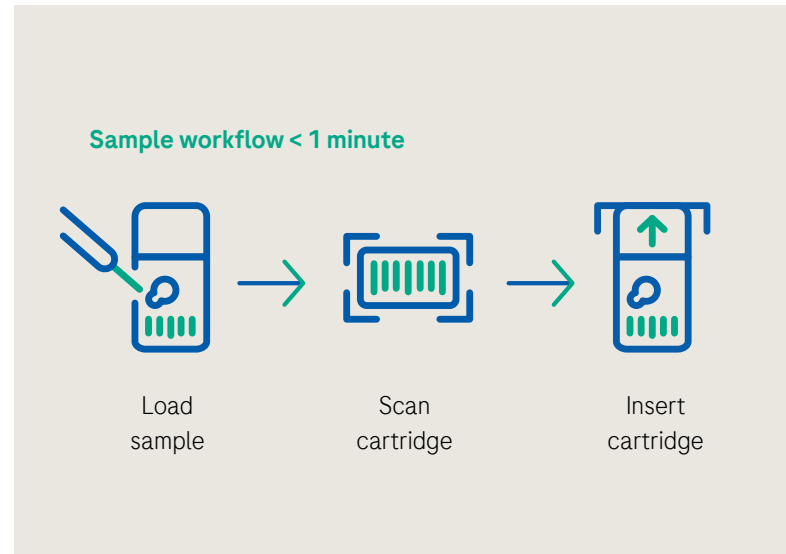
The **cobas eplex** system offers unique solutions to address some of the most significant challenges facing your lab, while supporting hospital systems to deliver patient-centered, value-based care.

The **cobas eplex** system fully automates syndromic molecular testing including sample preparation, extraction, amplification, and detection to deliver rapid, sample-to-answer results on every shift.

- **Minimal hands-on time** among multiplex sample-to-answer systems
- Bi-directional LIS automates and accelerates order entry and results reporting
  - Improve laboratory efficiency with **customizable auto-release criteria** that simplify auto-filing in your LIS and ensure results reach clinicians quickly
- Random, continuous access with a **modular, scalable design** to support peak seasonal demands with minimal bench space



Configuration	3-bay	1-tower	2-tower	3-tower	4-tower
Test bays	3	6	12	18	24
Throughput (8 hours)	12 samples	24 samples	48 samples	72 samples	96 samples
Throughput (24 hours)	42 samples	84 samples	168 samples	252 samples	336 samples
Physical dimensions (H x D x W)	60 cm x 48 cm x 52 cm 24" x 19" x 21"	60 cm x 48 cm x 52 cm 24" x 19" x 21"	60 cm x 48 cm x 71 cm 24" x 19" x 29"	60 cm x 48 cm x 90 cm 24" x 19" x 36"	60 cm x 48 cm x 110 cm 24" x 19" x 44"



## Patient safety

The **cobas eplex** system can reduce the potential for patient identification and reporting errors, so labs and physicians can report results with confidence.

- Bi-directional LIS can **minimize transcription errors**
- Optionally require valid external controls prior to processing patient specimens ensures an additional level of patient safety

## Patient-centered care

The **cobas eplex** system provides rapid, comprehensive test results that can help institutions improve patient care by reducing length of stay and inappropriate use of certain therapies, while also improving key quality metrics including infection control and antimicrobial stewardship.<sup>1-3</sup>

Automate the interpretation of your local antibiogram and recommendations of your antimicrobial stewardship team with user-defined comments. **Templated comments** can fast-track treatment intervention and may improve patient management.

## Compliance and data management

Maximize lab efficiency by reducing the administrative overhead associated with monitoring lab performance, tracking quality control testing, and managing data required for regulatory compliance.

### External control tracking

- Define controls to enable automated interpretation and tracking of reagent lot change and QC frequency on a customizable schedule
- Export QC results to a networked drive for easy access, or compile QC Summary Reports directly from the **cobas eplex** system when required for accrediting organizations

### Integrated epidemiology reporting

- Automate distribution of customizable reports for surveillance and monitoring of circulation patterns
- Keep key stakeholders notified of localized outbreaks or abnormal prevalence when site-defined thresholds have been breached

# Comprehensive **cobas**<sup>®</sup> **eplex** panels<sup>4</sup>

## Respiratory pathogen panel 2 (RP2)\*\*

Your frontline test for respiratory infections that can detect over 20 of the most common viruses and bacteria including SARS-CoV-2



## Blood culture identification panels (BCID)\*

- Gram-positive panel (BCID-GP)
- Gram-negative panel (BCID-GN)
- Fungal pathogen panel (BCID-FP)

A comprehensive molecular solution for testing patients suspected of sepsis, including detection of contaminants and resistance genes to help improve clinical outcomes and antimicrobial stewardship



## Gastrointestinal pathogen panel (GI)\*

Designed to detect the most common clinically relevant bacteria, viruses, and parasites associated with gastroenteritis



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### References

- <sup>1</sup> Timbrook, et al. Clin Infect Dis. (2017) 64 (1): 15-23.
- <sup>2</sup> Box, et al. Pharmacotherapy (2015); 35(3): 269-276.
- <sup>3</sup> Skoglund, et al. (2019). J Clin Micro. 57 (1):1015-18.
- <sup>4</sup> Insert pkg **cobas**<sup>®</sup> eplex BCID-GP IVD, SAP Artwork #: 10196769001, Insert (v1.0, 2023); Insert pkg **cobas** eplex BCID-GN IVD, SAP Artwork #: 10196785001, (v1.0, 2023); Insert pkg **cobas** eplex BCID-FP IVD, SAP Artwork #: 1019673400, (v1.0, 2023); Insert pkg eplex RP2 EUA, Diadoc:1200000614104, (v 02, 2021); Insert pkg eplex RP2 CE IVD; Diadoc:1200000614092 (v 01, 2021)

\* For *In Vitro* Diagnostic Use.

† Not available for sale in the United States.

\* Panel in development.

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