cobas® 5800 System*

Innovation made accessible

*In development.
Laboratories face competing pressures to **streamline cost, add value, and drive growth** while empowering employee productivity and enabling better patient decision-making.

The right balance to make a real difference.

The challenges of running a lab are varied and complex, leading to trade-offs between flexibility, performance, efficiency, value, sustainability and success. The **cobas® 5800 System** helps to find the right balance by making world-class laboratory innovation accessible to all.

### Metrics that matter

- **20-150 samples per day**
- **Broad menu of >25 assays†**
- **Up to 15 assays onboard at all times**
- **Ability to prioritize samples and assays**
- **Up to 144 results in an 8-hour shift**
- **Up to 6 different assays in a single run**
- **Customizable control concept**
- **Walkaway time of up to 8 hours‡**
- **Compact footprint: 134cm x 79cm**

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* In development.
† May vary based on assay availability in your country.
‡ Walkway time is dependent on the number of tests performed and number of runs initiated (under continuous testing conditions: >96 tests per shift, walkaway time may be between 4 – 8 hours).
Improve productivity, reduce the opportunity for error, and deliver more predictable turnaround times with full automation—from sample supply, transfer, and preparation to amplification and detection, result calculation and delivery to the laboratory information system (LIS).

- Flexible loading of samples, reagents and consumables
- Prioritization of specific samples or assays
- Customizable control concept

**Automation**

**Simple and efficient with up to 8 hours of walkaway time**

Increase capacity and capability from a small footprint
- Reduce the need for dedicated instruments
- Run IVD assays and LDTs simultaneously

*May vary based on assay availability in your country.

**cobas® 5800 System throughput**

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<thead>
<tr>
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<th>0</th>
<th>1</th>
<th>2</th>
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<tbody>
<tr>
<td>Hours</td>
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<td>144</td>
<td>216</td>
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<tr>
<td>24 results in 2 hours 45 minutes</td>
<td>144 results in &lt;8 hours</td>
<td>216 results from an 8-hour shift</td>
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**Consolidation**

**Run >90% of routine testing on a single platform**

The cobas® 5800 System offers the same menu as the cobas® 6800/8800 Systems, including the cobas omni Utility Channel, allowing you to run laboratory developed tests (LDT) on the same system as IVD assays.

- Increase capacity and capability from a small footprint
- Reduce the need for dedicated instruments
- Run IVD assays and LDTs simultaneously

**Broad and expanding menu**

Clinically relevant, comprehensive and focused on development for tomorrow

<table>
<thead>
<tr>
<th>DONOR SCREENING</th>
<th>INFECTIOUS DISEASES</th>
<th>SEXUAL HEALTH</th>
<th>TRANSPLANT</th>
<th>RESPIRATORY</th>
<th>ANTIMICROBIAL STEWARDSHIP</th>
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<tbody>
<tr>
<td>MPX</td>
<td>HN-1†</td>
<td>HPV**</td>
<td>CMV</td>
<td>SARS-CoV-2^-</td>
<td>MTB-RIF/INH*</td>
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<tr>
<td>WNV</td>
<td>HBV</td>
<td>C/T/NG</td>
<td>EBV</td>
<td>SARS-CoV-2 + Influenza A/B^</td>
<td>MG Resistance</td>
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<tr>
<td>DPX</td>
<td>HCV</td>
<td>TV/NG</td>
<td>BKV</td>
<td>MTB^</td>
<td>GC Resistance</td>
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<tr>
<td>HEV*</td>
<td>HN-1/2 Qual</td>
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<td>BKV</td>
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<td>CHIKV/DENV*</td>
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<td>Malaria</td>
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**cobas omni Utility Channel**

- At launch
- Post-launch
- In development
- Not available in the US
- Self sampling in development
- Available for use with cobas® Plasma Separation Card
- ^FDA EUA + CE-IVD

**cobas® 5800 System throughput**

Up to 8 hours walkaway time*

8 Hours

Donor Screening Infectious Diseases Sexual Health Transplant Respiratory Antimicrobial Stewardship

MPX HN-1† HPV** CMV SARS-CoV-2^- MTB-RIF/INH*  
WNV HBV C/T/NG EBV SARS-CoV-2 + Influenza A/B^ MG Resistance  
DPX HCV TV/NG BKV MTB^ GC Resistance  
HEV* HN-1/2 Qual  
CHIKV/DENV*  
Zika  
Babesia  
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Integration
Built-in scalability to react flexibly to changing needs
Easily extend automation across your entire workflow, implement advanced analytics, and leverage lean processing and sorting capabilities.
- Connect seamlessly with your existing IT infrastructure
- Generate laboratory specific insights to drive efficiency and productivity
- Include pre-analytical automation for greater simplicity of the entire workflow

Standardization
Setting new standards with proven performance
Eliminate variability between operators and assays with streamlined processes and consistent workflows across all Roche systems
- Common assays, reagents and user experience across platforms
- Streamline training for technicians to minimise on-boarding effort
- Deliver consistent patient results to inform appropriate management

The cobas® 5800 System doesn’t cut corners; it fits neatly into them.
Be the engine that drives healthcare systems forward

The cobas® 5800 System is an integral part of Roche's proven Molecular Work Area concept. Built-in scalability allows you to react flexibly to your changing needs, elevating the value of your laboratory across the entire organization while putting sustainability and success right at your fingertips.