

cobas[®] 5800 System

Innovation made accessible

For laboratories with
no room to compromise



The **cobas[®] 5800 System** is designed to bring efficiency, flexibility, and simplicity into balance. This compact solution for molecular testing will deliver premium performance and value-added utility from a small footprint.

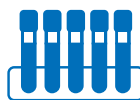
The **cobas[®] 5800 System** is designed to deliver:

AUTOMATION



- End-to-end fully automated workflow
- Flexible loading of samples, reagents and consumables
- Compact instrument footprint

CONSOLIDATION



- Prioritization of specific samples or assays
- Shared **cobas[®] 6800/8800** menu
- Run IVD assays and LDTs simultaneously

STANDARDIZATION



- Common assays and reagents across **cobas[®] x800** family of analyzers
- Consistent workflow and user experience
- Scalable testing to match volume growth

INTEGRATION



- Connect with your existing IT infrastructure
- Generate laboratory specific insights
- Options to include pre-analytical automation into workflow

Doing *now* what
patients need *next*

cobas[®] 5800 System

PERFORMANCE SPECIFICATIONS

Time to first results (up to 24 tests)* Subsequent runs (24 tests)	<ul style="list-style-type: none">• 2 hours 45 minutes• Every 60 minutes thereafter
Maximum throughput (8 hrs 24 hrs)*	144 528 tests
Walk-away time*	6 hours
Test Format	<ul style="list-style-type: none">• Plates of up to 24 tests with up to 6 assays per plate• Two 24 well thermal cyclers
Sample Capacity	<ul style="list-style-type: none">• Up to 128 tubes• Up to 28 liquid based cytology vials
User interactions	<ul style="list-style-type: none">• Load/unload samples, load reagents and consumables as needed• Remove waste (solid and liquid)• Review and auto-release results
Support for lab developed tests with the cobas omni utility channel	<ul style="list-style-type: none">• Develop and automate your own lab developed tests (LDTs) with up to 24 targets per plate• Mixed processing of open channel assays** and Roche IVD assays

* May vary based on workflow demands.

** Open channel assays may include third-party assays, as well as routine lab-developed tests (LDTs).

Contamination prevention

Built in features to ensure the highest quality and integrity of patient results with no daily maintenance

- Airlock doors
- Pipette tips with CO-RE filter technology
- Dedicated pipette tips for each sample transfer and for transfer of extracted nucleic acid
- Automatic heat-sealing of **cobas omni** Amplification Plate
- Amperase included in every assay
- Stainless steel pipetting transfers assay-specific reagents, controls and other bulk reagents required for sample preparation and amplification; washed after each use
- No use of bleach on the systems

Transforming testing and treatment together

Roche has been pioneering innovation in molecular testing for decades and remains committed to supporting laboratories in meeting both their own needs and the needs of patients everywhere.

By combining premium performance with greater testing agility, the **cobas[®] 5800** System is designed to deliver more predictable turnaround times for a timely diagnosis and faster initiation of treatment.

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