

Introducing cobas® pro integrated solutions

Simplicity meets Excellence





01 Sample supply unit

Up to **1,000** samples per hour processing capacity

Up to **300** samples direct loading

Up to **300** samples direct unloading

or bi-directional connectivity to lab automation

02 ISE analytical unit

Up to **900** tests per hour

03 cobas c 503 analytical unit

Up to **1,000** tests per hour

60 reagent positions

04 cobas e 801 analytical unit

Up to **300** tests per hour

48 reagent positions

Use your space intelligently with cobas® green packs

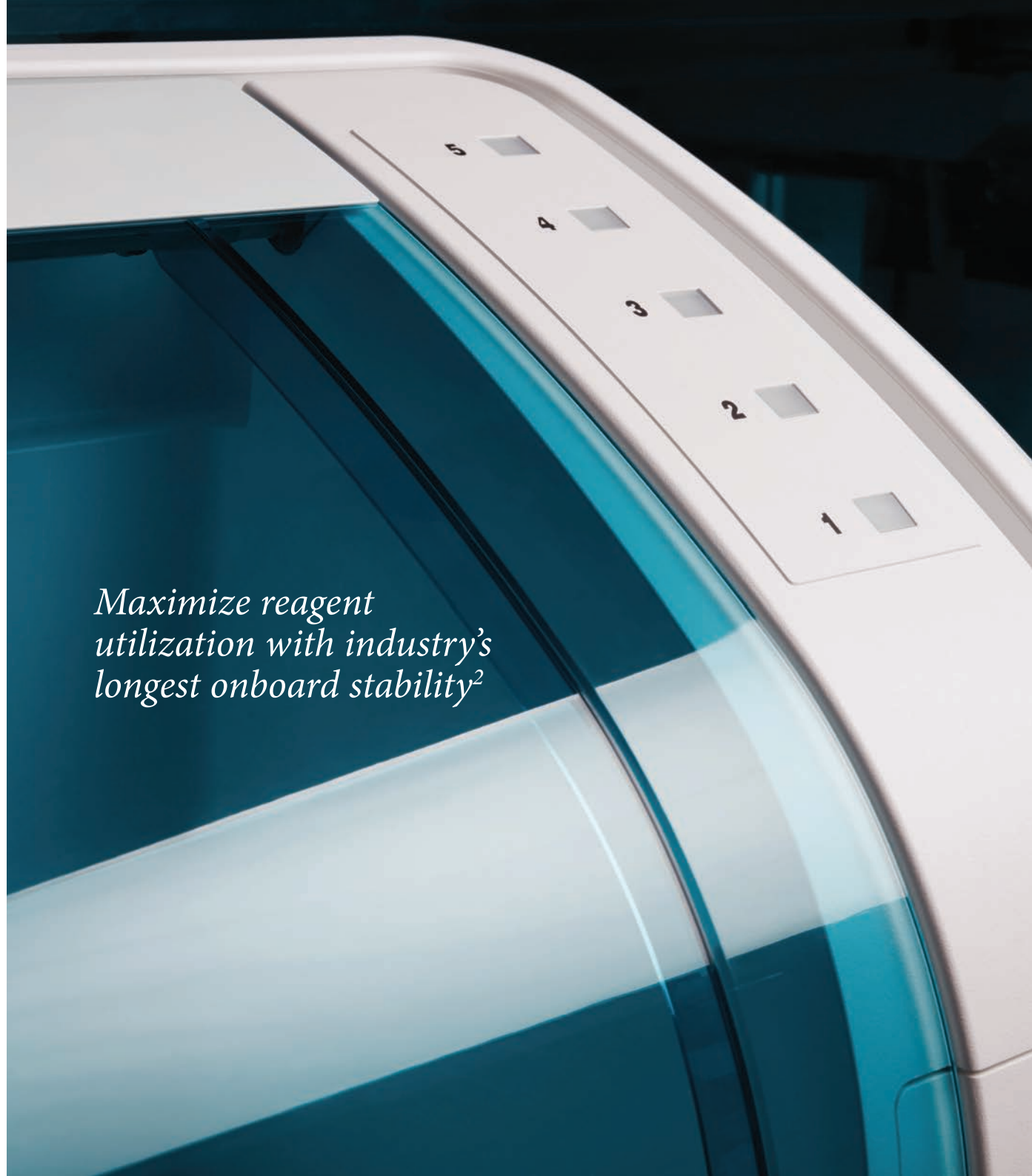
More tests per pack

Up to 3 300 tests per **cobas c** pack green allow for long walk-away times and less loading, ordering and handling events for reagents.

Our best reagent carriers ever in clinical chemistry and immunochemistry

Closed onboard, more tests per pack. **Preparation-free.** From the fridge to the analyzer, without any preparation. This is as easy as it can get.





*Maximize reagent
utilization with industry's
longest onboard stability²*

Best-in-class onboard stability³

With up to 6 months of onboard stability for the all-new **cobas[®] c** pack green, and up to 4 months of onboard stability for the **cobas e** pack green.

- Consolidate low- and high-throughput testing
- Bring low volume send out testing in-house
- Minimize reagent waste



*Reduce tedious
manual work with
ready to use reagents*



*Enable error-free handling
with RFID*-tagged
reagents and consumables*

*Radio-frequency identification.

*Enhance sample
integrity with
cobas® SonicWash*

**Unprecedented cleanliness of the
sample probe with cobas® SonicWash.**

SonicWash cleans the sample probe with ultrasound technology so thoroughly that only a few parts per billion are detectable⁴. In addition, SonicWash eliminates the daily maintenance of the sample probe and reduces clot events.

HITACHI



*Partner with a company
that has a proven track
record of pioneering lab
solutions and sustainable
development*



ISE analytical unit

Applications	Na+: Sodium K+: Potassium Cl-: Chloride
Sample types	Serum, urine Ion-selective electrodes: 3 (Na+, K+ and Cl-) Reference electrode 1
Max. throughput	900 tests/hour (300 samples/hour)
Max. liquid waste volumes	Concentrated liquid waste volume: < 2,8 L/h
Sampling cycle time	12 seconds
Electrode handling	2D barcode placed on the electrode package
Sample Liquid level detection	Available
Sample clot detection	Available
Sample foam detection	Available
Number of applications	ISE: max. 60 (20 sample types available)
Sample pipetting volumes	15 µl (Default) Selectable from 10 µl
Reagent volumes per sample	DIL: 450 µl (330 µL/sample: dilution vessel washing in case of discontinuous measurement, 600 µl DIL is used before IS measurement IS: Total 720 µl (220 µl Dilution vessel washing, 500 µl: IS measurement) REF: 130 µl
Measuring range	Na+: Sodium 10-250 mmol/L (technical measuring range) 450 µl Diluent 15 µl Sample volume (default) 20-375 mmol/L (technical measuring range) 450 µl Diluent 10 µl Sample volume K+: Potassium 1-100 mmol/L (technical measuring range) 450 µl Diluent 15 µl Sample volume (default) 1-150 mmol/L (technical measuring range) 450 µl Diluent 10 µl Sample volume Cl-: Chloride 10-250 mmol/L (technical measuring range) 450 µl Diluent 15 µl Sample volume (default) 20-375 mmol/L (technical measuring range) 450 µl Diluent 10 µl Sample volume

The all-new cobas® c 503 analytical unit

Excellent performance, simple to use and beautifully designed.
The all-new **cobas c 503** analytical unit brings all that it takes
to set new standards in reliability, maintenance and efficiency.
1,000 tests per hour. 60 reagent channels onboard.

Reagent pack type	cobas c pack green
Reagent loading/unloading	Automatic
Reagent identification	RFID
Capacity of reagent manager	5 reagent packs
Capacity of reagent disk	60 packs Inner ring: 24 (1-24 position) Outer ring: 36 (25-60 position)
Reagent storage temperature	5-15 °C
Number of applications	680
Max. throughput	Photometric: 1,000 tests/h HbA1c: 500 samples/h
Number of reaction cells	221
No. of reaction cell segments	13 (17 cells/segment)
Reaction volume	75-185 µl
Incubation bath temperature	37 ± 0.1 °C (98.6 ± 0.1 °F)
Reaction time	3-10 min
Mixer	Ultrasonic





References

1. Internal market research of immunoassay vendors (Roche, Siemens, Abbott). Data on file.
2. Roche cobas e 801 Immunoassay Method Sheets.
3. Method sheets cobas c 503, cobas e 801, Beckman Unicl Dxl/DxC, Abbott ARCHITECT c/i, Abbott Alinity c/i, Siemens Atellica CH/IM, Siemens Vista, Siemens Centaur.
4. Based on R&D report. Data on file.

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