

cobas[®] 8000 modular analyzer series

Technical specifications

Configurations	The system offers more than 150 scalable configurations. A configuration consists from the core unit and 1 up to 4 analytical modules (excluding the optional cobas ISE module). The analytical modules are: cobas ISE module, cobas c 701 module, cobas c 702 module, cobas c 502 module, cobas e 801 module, cobas e 602 module.
Detection methods	Clinical Chemistry: Photometric Immunochemistry: Electrochemiluminescence (ECL)
Maximum throughput	up to 9800 tests/hour/configuration cobas ISE module: up to 1800 tests/hour cobas c 701 module: up to 2000 tests/hour cobas c 702 module: up to 2000 tests/hour cobas c 502 module: up to 600 tests/hour cobas e 801 module: up to 300 tests/hour cobas e 602 module: up to 170 tests/hour
Sample types	Serum, Plasma, Urine, CSF, Supernatant, Whole blood (not applicable for the cobas c 701 module and the cobas c 702 module)
Sample tubes	∅ 13 x 75 mm, ∅ 13 x 100 mm, ∅ 16 x 75 mm, ∅ 16 x 100 mm, Hitachi standard cup 2.5 ml, cobas sample cup 2.5 ml, Hitachi microcup* 1.5 ml ∅ 11-16 x 63-102 mm (for cobas e 602 module: ∅ 13-16 mm)
Pediatric sample tube	Yes (Hitachi microcup*: 50 µl dead volume)
Sample capacity	core unit loading capacity: 300 samples Module Sample Buffer (MSB) capacity: 100 samples core unit throughput: up to 1000 samples/hour
Sample volume	cobas c 701 module: Average 5.5 µl cobas c 702 module: Average 5.5 µl cobas c 502 module: Average 7.0 µl cobas e 801 module: Average 19.4 µl cobas e 602 module: Average 26.8 µl
Automatic dilution	Yes
Reagent capacity	up to 280 reagent channels/configuration cobas ISE module: Na, K and Cl cobas c 701 module: 70 reagent channels cobas c 702 module: 70 reagent channels cobas c 502 module: 60 reagent channels cobas e 801 module: 48 reagent channels cobas e 602 module: 25 reagent channels



Life needs answers

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Reagent concept	Ready to use														
Reagent loading	Continuous reagent loading during operation (valid for cobas c 702 module, cobas c 502 module and cobas e 801 module)														
Sample clot detection	Yes														
Sample interference measurement	Serum indices (icterus, hemolysis, lipemia) measured on the clinical chemistry modules														
Remote diagnostics	Yes														
Connectivity to smart phones and tablets	up to 3 systems can be connected to smart phones and tablets (iOS and Android) using cobas mobicheck application. The application allows the monitoring of the systems, alarms and reagent information.														
Dimensions (W x D x H)	<table> <tr> <td>core unit (including STAT port):</td> <td>102 x 114 x 93 cm</td> </tr> <tr> <td>cobas ISE module:</td> <td>45 x 114 x 115 cm</td> </tr> <tr> <td>cobas c 701 module (including MSB):</td> <td>150 x 114 x 135 cm</td> </tr> <tr> <td>cobas c 702 module (including MSB):</td> <td>150 x 114 x 135 cm</td> </tr> <tr> <td>cobas c 502 module (including MSB):</td> <td>150 x 114 x 130 cm</td> </tr> <tr> <td>cobas e 801 module (including MSB):</td> <td>150 x 114 x 162 cm</td> </tr> <tr> <td>cobas e 602 module (including MSB):</td> <td>150 x 106 x 114 cm</td> </tr> </table>	core unit (including STAT port):	102 x 114 x 93 cm	cobas ISE module:	45 x 114 x 115 cm	cobas c 701 module (including MSB):	150 x 114 x 135 cm	cobas c 702 module (including MSB):	150 x 114 x 135 cm	cobas c 502 module (including MSB):	150 x 114 x 130 cm	cobas e 801 module (including MSB):	150 x 114 x 162 cm	cobas e 602 module (including MSB):	150 x 106 x 114 cm
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Electrical requirements	200/208/220/230 VAC, 50/60 Hz														
Noise level	≤ 65 dB														
Pre-Analytics connectivity	unidirectional, bidirectional														
Power consumption	<table> <tr> <td>core unit (including the control unit):</td> <td>1 kVA (actual maximum: 0.4 kVA)</td> </tr> <tr> <td>cobas ISE module:</td> <td>0.5 kVA (actual maximum: 0.2 kVA)</td> </tr> <tr> <td>cobas c 701 module (including MSB):</td> <td>3 kVA (actual maximum: 2.3 kVA)</td> </tr> <tr> <td>cobas c 702 module (including MSB):</td> <td>3 kVA (actual maximum: 2.3 kVA)</td> </tr> <tr> <td>cobas c 502 module (including MSB):</td> <td>2.5 kVA (actual maximum: 1.7 kVA)</td> </tr> <tr> <td>cobas e 801 module (including MSB):</td> <td>2 kVA (actual maximum: 1.5 kVA)</td> </tr> <tr> <td>cobas e 602 module (including MSB):</td> <td>3 kVA (actual maximum: 1.5 kVA)</td> </tr> </table>	core unit (including the control unit):	1 kVA (actual maximum: 0.4 kVA)	cobas ISE module:	0.5 kVA (actual maximum: 0.2 kVA)	cobas c 701 module (including MSB):	3 kVA (actual maximum: 2.3 kVA)	cobas c 702 module (including MSB):	3 kVA (actual maximum: 2.3 kVA)	cobas c 502 module (including MSB):	2.5 kVA (actual maximum: 1.7 kVA)	cobas e 801 module (including MSB):	2 kVA (actual maximum: 1.5 kVA)	cobas e 602 module (including MSB):	3 kVA (actual maximum: 1.5 kVA)
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* not applicable for the **cobas e** 602 module

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