

# **cobas e 411 analyzer** *take your lab to the next level*



**cobas e 411 rack analyzer**



**cobas e 411 disk analyzer**

- Up to 86 tests/hour
- Clot and liquid level detection
- System memory up to 2,000 results (samples and QC) that can be downloaded to a USB drive
- Automatic sample dilution upon request
- Windows XP-based control unit
- Individual and cumulative QC
- Preprogrammable calibrators and controls



## System specifications

<b>Feature</b>	<b>cobas e 411 analyzer</b>
<b>System</b>	Fully automated, immunoassay analyzer for random access processing of ECL-based immunoassays ( <b>cobas e</b> system format)
<b>Types of modules</b>	<ul style="list-style-type: none"> <li>• <b>cobas e 411</b> disk analyzer</li> <li>• <b>cobas e 411</b> rack analyzer</li> </ul> <ul style="list-style-type: none"> <li>• Optional System Table (cabinet); Optional System Table Extension (for printer)</li> </ul>
<b>System components</b>	Self contained bench top analyzer comprising an analytical unit and a customized user interface
<b>System interfaces</b>	RS232 serial interface, bidirectional
<b>Throughput</b>	Up to 86 tests/hour
<b>Number of reagent channels</b>	18 channels (reagent slots) for maximum of 18 tests
<b>Programmable test parameters</b>	N/A, programming-by-loading (PBT) concept, application data are transferred without operator intervention from the 2D barcode of the reagent pack (RP) into the instrument database
<b>Sample material</b>	Serum/plasma, urine, others
<b>Sample input/output</b>	<ul style="list-style-type: none"> <li>• Disk Model: 30 positions for samples, calibrators and controls</li> <li>• Rack Model: 15 racks with 5 samples each (= 75 samples in/out)</li> <li>• STAT port: STAT samples are processed with priority</li> </ul>
<b>Sample volume</b>	10 – 50 µl
<b>Sample clot detection</b>	Standard (pressure sensor)
<b>Sample barcode types</b>	Code 128; Codabar (NW 7); Interleaved 2 of 5; Code 39
<b>Control unit</b>	Microsoft® Windows® XP-based panel PC
<b>Calibrator/QC input</b>	<b>cobas e</b> system-specific barcoded CalSet vials on disk or racks
<b>Calibration methods</b>	Lot calibration (L-cal); Reagent Pack (RP) calibration (R-Cal)
<b>QC methods</b>	<ul style="list-style-type: none"> <li>• Individual QC and cumulative QC</li> <li>• Up to 100 controls pre-programmable</li> <li>• The memory contains data files necessary for the analyzer and software to work together:</li> <li>• Reagent Data File: Up to 300 reagent packs</li> <li>• Sample Data File: Up to 2000 test records (for samples and controls)</li> <li>• Calibration Data File: Up to 160 calibrators</li> <li>• Preventive QC after calibration of the stand-by <b>cobas e</b> packs</li> <li>• QC Data File: Capacity up to 100 controls</li> <li>• Operating Parameter Data File: Up to 305 reagent applications</li> <li>• Up to 20 operator IDs</li> </ul>
<b>Data storage capacity</b>	
<b>Electrical requirements</b>	<ul style="list-style-type: none"> <li>• 230/110 Volts AC; 1,000 kVA (disk), 1,250 kVA (rack)</li> <li>• Frequency: 50 Hz or 60 Hz +/- 0.5%</li> </ul>
<b>Water/Waste requirements</b>	<ul style="list-style-type: none"> <li>• Water: Bacteria free, de-ionized water supply, resistance of &lt; 10 µS/cm</li> <li>• Liquid waste: Onboard waste container (4 liter), direct drain optional</li> </ul>
<b>Operating conditions</b>	<ul style="list-style-type: none"> <li>• Ambient temperature: 18 to 32°C</li> <li>• Ambient humidity: 20 to 80% RH (without condensation)</li> <li>• Heat Output: 2,879 kJ/hr (analyzer unit)</li> <li>• Noise Output: 60 dBA (stand-by), 63 dBA (operation avg.)</li> </ul>
<b>Physical dimensions</b>	<ul style="list-style-type: none"> <li>• Width (disk/rack): 120 cm / 170 cm 47.2 in / 67 in</li> <li>• Depth (disk/rack): 73 cm / 95 cm 28.7 in / 37.4 in</li> <li>• Height: 80 cm / 31.4 in (closed top cover) 109 cm / 43 in (opened top cover)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• Disk: 180 kg / 397 lbs</li> <li>• Rack: 250 kg / 551 lbs</li> </ul>

**For more information, contact your Roche representative, call 1-800-852-8766 (option 7) or visit MyLabOnline.com.**

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