## System components
- BAX® Q7 cycler/detector
- Computer workstation and printer
- BAX® system application and MS Windows® OS
- Installation and training

## Also delivered with system
- License to perform PCR
- Heating block assemblies
- Cooling block assemblies
- Capping/decapping tools
- Pipettes
- Start-up supplies
- Documentation

## Customer-supplied requirements
- BAX® system PCR assays
- Enrichment media
- Hypochlorite bleach and other standard solutions
- Refrigeration (2-8°C) for kits and cooling blocks
- Stomachers, incubators for enrichment
- Cell disrupter device for yeast and mold samples

## Customer-supplied recommended options
- Uninterruptible power source – 2.2 kVA
- Line noise filter – 2.2 kVA
- Surge protector – 10 kVA

## Q7 instrument specifications
- 14” wide x 18” deep x 20” high (34 x 45 x 49 cm)
- Approximately 75 pounds (34.1 kg)
- Power usage: 950 W (1080 watts)
- 120 VAC ± 10%, 50/60 Hz ± 1%, 15 amp circuit, grounded outlet, nominal current draw: 8A
- 5 excitation and 5 emission filters
- Two 12.5 A, 250 V, 5x 20 mm fuses
- Halogen bulb: 12 V, 75 W
- Thermal range: 4-100°C
- Thermal homogeneity ±0.5°C well-to-well within 30 seconds of reaching 60°C
- Sample ramp rate: +/- 1.6–3.5°C per second
- Peak block ramp rate: 5.5°C per second
- Warm up time: 5 minutes or less from 25°C start
- 65 decibels maximum

## Environment
- Altitude at or below 2000 m (6500 ft) above sea level
- Temperature 10-35°C (50-95°F)
- Relative humidity 20-80% (noncondensing)
- Locate away from heaters, cooling ducts and out of direct sunlight; protected from accidental spills
- Non-conductive pollutants only

## Throughput
- 96 PCR tubes every 2–2.5 hours (amplification)
- 96 PCR tubes every 1 hour (detection)
- 96 PCR tubes every 90 minutes (real-time)
- Supported volumes 10-50 uL

## AREA REQUIREMENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAX® System Q7 instrument</td>
<td>34 cm (14 in)</td>
<td>45 cm (18 in)</td>
<td>49 cm (20 in)</td>
<td>~34.1 kg (75.0 lb)</td>
</tr>
<tr>
<td>Computer</td>
<td>19.1 cm (7.5 in)</td>
<td>42.7 cm (16.8 in)</td>
<td>45.0 cm (17.7 in)</td>
<td>6.8 kg (15.0 lb)</td>
</tr>
<tr>
<td>Monitor</td>
<td>43.2 cm (17 in)</td>
<td>25.4 cm (10 in)</td>
<td>45.7 cm (18 in)</td>
<td>6.8 kg (15.0 lb)</td>
</tr>
<tr>
<td>Keyboard</td>
<td>45.7 cm (18 in)</td>
<td>17.8 cm (7 in)</td>
<td>5.1 cm (2 in)</td>
<td>0.9 kg (2.0 lb)</td>
</tr>
<tr>
<td>Printer</td>
<td>43.2 cm (17 in)</td>
<td>35.5 cm (14 in)</td>
<td>15.2 cm (6 in)</td>
<td>3.4 kg (7.5 lb)</td>
</tr>
</tbody>
</table>

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