vivaCT 80
Specifications

**vivaCT 80 Specifications**

- **Geometry**: Small Angle Cone-Beam
- **Peak Energy**: 30-70 kVp (3 levels preset and calibrated)
- **Variable Focal Spotsize**: 5/7 μm (4/8W)
- **Scan Diameter (FOV)**: 32-80 mm
- **Fastest Scan Time**: 20 sec
- **Max. Scan Length**: 145 mm
- **Resolution (Nom. /10% MTF)**: 3.9-160 μm / <14 μm
- **Image Matrix**: 512 x 512 up to 8192x8192

**Integrated**
- Observation Camera
- Heating Chamber
- Animal Monitoring Unit
- Gating Unit
- Different Animal Beds (Limbs, Full body, Mouse, Rat, Specimens etc.)
- Large Hood Configuration
- Density Calibration
- Quality Control Phantoms included

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**Computing**

<table>
<thead>
<tr>
<th>HP Integrity Server, 64 bit</th>
<th>rx2800 i4</th>
<th>bl860/bl870/bl890 i4</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM</td>
<td>32 to 384 GB</td>
<td>32 to 1536 GB</td>
</tr>
<tr>
<td>CPU/cores</td>
<td>1/4, 1/8, 2/16</td>
<td>1/8 to 8/64</td>
</tr>
<tr>
<td>Disks (single disk or RAID)</td>
<td>1 TB to multiple TB</td>
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</tbody>
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GPU reconstruction optional
Clustering of multiple rx2800/bl8x0 possible to enhance throughput

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