

# Echo Lumena<sup>®</sup>

## *Instrument Specifications*



<p><b>Dimensions</b></p>	<ul style="list-style-type: none"> <li>• Fluidics/Monitor             <ul style="list-style-type: none"> <li>• 43cm W x 59cm D x 66cm H</li> </ul> </li> <li>• Instrument, w/shroud:             <ul style="list-style-type: none"> <li>• 71cm W x 50cm D x 48cm H</li> </ul> </li> <li>• Printer:             <ul style="list-style-type: none"> <li>• 37cm W x 24cm D x 24cm H</li> </ul> </li> </ul>
<p><b>Power</b></p>	<ul style="list-style-type: none"> <li>• 100-240V AC 50-60Hz</li> <li>• Uninterruptible Power Supply (UPS) provided</li> </ul>
<p><b>Bar code Symbologies</b></p>	<ul style="list-style-type: none"> <li>• Code128, ISBT128, Codabar, Code39, Interleaved 2 of 5</li> <li>• Maximum bar code length = 20 characters</li> </ul>
<p><b>Sample Requirements</b></p>	<ul style="list-style-type: none"> <li>• EDTA, ACD, CPD, CPDA-1, CP2D, heparin, AS-1, AS-3, AS-5</li> <li>• Combinations of CPD with AS-1 and AS-5, and CP2D with AS-3</li> <li>• Serum samples can also be tested on the Galileo Echo for tests that do not require red blood cells</li> </ul>
<p><b>Tube sizes</b></p>	<ul style="list-style-type: none"> <li>• 12-16 mm diameter, 75-100 mm length, pediatric tubes</li> </ul>
<p><b>Sample Capacity</b></p>	<ul style="list-style-type: none"> <li>• 20 samples, 4 racks of 5 samples each</li> <li>• Continuous load via linear racks</li> </ul>
<p><b>Reagents</b></p>	<ul style="list-style-type: none"> <li>• 16 reagents, 4 racks of 4 10mL vials each</li> <li>• Continuous load via linear racks</li> <li>• Bar coded reagents</li> <li>• Can be loaded in any position</li> <li>• Multiple vials of the same reagent accepted</li> </ul>

# Echo Lumena® Instrument Specifications

<p><b>Microstrips</b></p>	<ul style="list-style-type: none"> <li>• 32 microstrip capacity</li> <li>• 4 trays hold 4 strip-holders each</li> <li>• Strip-holders accommodate 2 strips each</li> <li>• 2D bar code to identify strip type, lot number, expiry date and a unique serial number</li> </ul>
<p><b>System Liquid</b></p>	<ul style="list-style-type: none"> <li>• Phosphate Buffered Saline treated with pHix</li> <li>• 7.5 L Capacity</li> <li>• Low-level alarm</li> </ul>
<p><b>Waste Container</b></p>	<ul style="list-style-type: none"> <li>• 7.5 L Capacity</li> <li>• Nearly-full alarm</li> <li>• Shuttle container provided</li> <li>• Capable of direct drain to sink</li> </ul>
<p><b>Pipettor</b></p>	<ul style="list-style-type: none"> <li>• Single probe</li> <li>• Liquid level detection</li> <li>• Clot detection</li> </ul>
<p><b>Incubator</b></p>	<ul style="list-style-type: none"> <li>• 3 Incubators               <ul style="list-style-type: none"> <li>* 1 Forced-Air incubator</li> <li>* 2 bays for 37° C incubation</li> <li>* Ambient Incubation in Strip Trays</li> </ul> </li> </ul>
<p><b>Washer</b></p>	<ul style="list-style-type: none"> <li>• 8 channel wash head</li> </ul>
<p><b>Centrifuge</b></p>	<ul style="list-style-type: none"> <li>• Automatic load/unload</li> <li>• Centrifugation up to 512 x g</li> </ul>
<p><b>Reader Operation:</b></p>	<ul style="list-style-type: none"> <li>• Color Image Analysis</li> </ul>
<p><b>Computer:</b></p>	<ul style="list-style-type: none"> <li>• Touch screen color display monitor</li> <li>• DVD for data archive</li> </ul>
<p><b>Interface:</b></p>	<ul style="list-style-type: none"> <li>• Bi-directional connection (host query/worklist and results transfer)</li> <li>• ASTM data transfer protocol</li> <li>• TCP/IP socket or ASCII file data transfer modes</li> </ul>

Echo Lumena is not currently available for sale in the US or Canada.

