Introduction

The 384-Well Low Dead Volume (LDV) plate is designed to minimize dead volume when using the Echo® liquid handling system. This microplate is constructed of Cyclic Olefin Copolymer (COC) for optimal acoustic transfer performance and DMSO storage. Each lot of microplates is tested and certified to meet stringent performance specifications. Additional benefits of the microplate include: compatibility with heat sealing devices, designed for barcode customization and optimized for robotic handling.

Features

- DMSO working range: 2.5 – 12 µL
- Buffer working range: 3 – 12 µL
- Buffer/protein working range: 6– 14 µL
- Barcode labeling available
- Sterile and non-sterile plates available
- RNase/DNase free
- Heat seal compatible
- 50 plates/case
- 10 plates/pack

Multiple Options

384LDV microplates are available in multiple options:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-0200</td>
<td>Echo® Qualified 384-Well COC Source Microplate, Low Dead Volume, Clear, Flat Bottom</td>
</tr>
<tr>
<td>LP-0200-BC</td>
<td>Echo® Qualified 384-Well COC Source Microplate, Low Dead Volume, Clear, Flat Bottom, Barcoded</td>
</tr>
<tr>
<td>LP-0210</td>
<td>Echo® Qualified 384-Well COC Source Microplate, Low Dead Volume, Black, Flat Bottom</td>
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<tr>
<td>LP-0210-BC</td>
<td>Echo® Qualified 384-Well COC Source Microplate, Low Dead Volume, Black, Flat Bottom, Barcoded</td>
</tr>
<tr>
<td>LPS-0200</td>
<td>Echo® Qualified 384-Well COC Source Microplate, Low Dead Volume, Clear, Flat Bottom, Sterile</td>
</tr>
</tbody>
</table>
**Echo® Qualified 384-Well COC Source Microplate, Low Dead Volume (384LDV)**
LP-0200 • LP-0210 • LPS-0200

### Specifications

**Composition:** Cyclic Olefin Copolymer (COC)

**Format:** 384-well

**Color:** Clear or Black

**Well Shape:** Diamond

**Well Bottom:** Flat

**Working volume:** 2.5 – 12 µL DMSO

  3 – 12 µL buffer

  6 – 14 µL buffer/protein

### Dimensions:

- **A1 Column Offset (A):** 12.13 mm
- **A1 Row Offset (B):** 8.99 mm
- **Well Spacing/Pitch (C):** 4.5 mm
- **Plate Length (D):** 127.76 mm
- **Plate Width (E):** 85.48 mm
- **Plate Height (F):** 10.48 mm
- **Well Depth (G):** 5.10 mm
- **Well Diameter top (H):** 2.432 mm
- **Well Diameter bottom (I):** 1.53 mm
- **Flange/Skirt Height (J):** 2.41 mm
- **Plate Stacking Height (K):** 19.35 mm

### Barcoding

Labcyte provides customizable and off-the-shelf barcoding services for our complete line of microplates. Faultless quality control ensures every microplate is barcoded accurately, with no duplicate numbers and no unreadable codes. We also provide the following benefits:

- Sequential packaging simplifies storage and usage.
- Flexible, customizable coding options give you a choice of code types and barcode positions on microplates.
- Barcode sequence database storage eliminates the need to fill out forms. Barcoding storage also ensures no repeats of barcode sequences. Benefit from shorter lead times, less paperwork and the security of not having repeat sequences.