Introduction

The 1536-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 plates is tested and certified to meet stringent performance specifications. The enhanced design of the microplate reduces dead volume by 50%, increases working range by 12.5% and increases throughput by 15% when compared to other 1536-Well acoustically compatible microplates. Additional benefits of the 1536-Well LDV plate include: compatibility with heat sealing devices, designed for barcode customization and optimized for robotic handling.

Features

- DMSO working range: 1 – 5.5 µL
- Barcode labeling available
- Sterile and non-sterile plates available
- RNase/DNase free
- Heat seal compatible
- 50 plates/case
- 10 plates/pack

Multiple Options

1536LDV Microplates are available in multiple options:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-0400</td>
<td>Echo® Qualified 1536-Well COC Source Microplate, Low Dead Volume, Clear, Flat Bottom</td>
</tr>
<tr>
<td>LP-0400-BC</td>
<td>Echo® Qualified 1536-Well COC Source Microplate, Low Dead Volume, Clear, Flat Bottom, Barcoded</td>
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<tr>
<td>LP-0410</td>
<td>Echo® Qualified 1536-Well COC Source Microplate, Low Dead Volume, Black, Flat Bottom</td>
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<tr>
<td>LP-0410-BC</td>
<td>Echo® Qualified 1536-Well COC Source Microplate, Low Dead Volume, Black, Flat Bottom, Barcoded</td>
</tr>
<tr>
<td>LPS-0400</td>
<td>Echo® Qualified 1536-Well COC Source Microplate, Low Dead Volume, Clear, Flat Bottom, Sterile</td>
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</tbody>
</table>
Echo® Qualified 1536-Well COC Source Microplate, Low Dead Volume (1536LDV)
LP-0400 • LP-0410

Specifications

Composition: Cyclic Olefin Copolymer (COC)
Format: 1536-well
Color: Clear or Black
Well Shape: Square
Well Bottom: Flat
Working volume: 1 – 5.5 µL DMSO

Dimensions:

A1 Column Offset (A): 10.89 mm
A1 Row Offset (B): 7.75 mm
Well Spacing/Pitch (C): 2.25 mm
Plate Length (D): 127.76 mm
Plate Width (E): 85.48 mm
Plate Height (F): 10.48 mm
Well Depth (G): 5.15 mm
Well Diameter top (H): 1.70 mm
Well Diameter bottom (I): 1.40 mm
Flange/Skirt Height (J): 2.00 mm
Plate Stacking Height (K): 19.76 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.