Introduction

The MicroClime® Environmental Lid minimizes edge effects and preserves the concentrations of solutions in microplate wells. The MicroClime® Environmental Lid incorporates a unique, fluid-absorbing matrix that creates a vapor barrier, protecting the sample from the exterior environment from evaporation or hydration and greatly reducing edge effects. The MicroClime Environmental Lid does not require any specialized tools and is compatible with robotic plate lidding and delidding systems.

Key Features

- Minimizes microplate edge effects
- Compatible with a wide range of solvents
- Designed to fit 6 — 1536 well plates

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Packaging Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL-0310</td>
<td>MicroClime® Environmental Lid, COC</td>
<td>50/case</td>
</tr>
<tr>
<td>LLS-0310</td>
<td>MicroClime® Environmental Lid, COC, Sterile</td>
<td>50/case</td>
</tr>
<tr>
<td>LL-0310-IP</td>
<td>MicroClime® Environmental Lid, COC, Introductory Pack</td>
<td>10/case</td>
</tr>
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<td>LLS-0310-IP</td>
<td>MicroClime® Environmental Lid, COC, Introductory Pack, Sterile</td>
<td>10/case</td>
</tr>
</tbody>
</table>

*MicroClime® Lids are not compatible with centrifugation.*
TECHNICAL SPECIFICATIONS

Specifications

<table>
<thead>
<tr>
<th>Composition</th>
<th>Cyclic olefin copolymer (COC)</th>
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</thead>
<tbody>
<tr>
<td>Felt Composition</td>
<td>Polypropylene</td>
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<tr>
<td>Plate Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Fill Volume</td>
<td>Up to 9 mL</td>
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</tbody>
</table>

Fluid Compatibility

The MicroClime lid is compatible with a wide variety of fluid types used in compound storage and biological assays. The following list is an example of the fluid types that are compatible with the MicroClime lid.

- Acetone
- Ammonium solution (33%)
- Caustic soda solution (50%)
- DMSO
- Ethanol
- Hydrochloric acid (36%)
- Isopropanol
- Methanol
- Sulfuric acid (40%)
- Water
- Acetic acid (<80%)
- Nitric acid (<50%)

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