Introduction
The MicroClime® Environmental Lid minimizes edge effects and preserves the concentrations of solutions in microplate wells. Unlike standard microplate lids, the MicroClime lid incorporates a unique, fluid-absorbing matrix. The absorbed fluid creates a vapor barrier that protects the sample from the exterior environment, especially near the edges of the microplate. The MicroClime lid is easy to use—simply place it on or lift it off a microplate. No specialized tools are required, and it is compatible with robotic plate lidding and delidding systems. The lid may be filled with many different fluids, using either a hand-held pipette or automated bulk fillers.

Features
- Compatible with a wide range of solvents
- Designed to fit 6-1536 well plates
- Available in 50 lids/case
- Available in 10 lids/pack

Multiple Options
MicroClime lids and filling accessories are available in multiple options:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL-0310</td>
<td>MicroClime Environmental Lid, COC, SBS fit, 50/case</td>
</tr>
<tr>
<td>LLS-0310</td>
<td>MicroClime Environmental Lid, COC, SBS fit, sterile, 50/case</td>
</tr>
<tr>
<td>LL-0310-IP</td>
<td>MicroClime Environmental Lid, COC, SBS fit, 10/case</td>
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<tr>
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<td>MicroClime Environmental Lid, COC, SBS fit, sterile, 10/case</td>
</tr>
<tr>
<td>LL-0300-FA-M</td>
<td>MicroClime Environmental Lid Filling Adapter for use with Hudson Micro 10/ Matrix Wellmate, 1 adapter</td>
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<tr>
<td>LLS-0300-FA-F</td>
<td>MicroClime Environmental Lid Filling Adapter for use with PE FlexDrop, 1 adapter</td>
</tr>
</tbody>
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microplates.labcyte.com
Specifications
Lid Composition: Cyclic Olefin Copolymer (COC)
Felt Composition: Polypropylene
Color: Clear
Fill Volume: Up to 9 mL

Fluid Compatibility
The MicoClime 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%)

The MicroClime lid is covered by one or more of the following patents: 7,854,343 and 12/944,384 (pending).