

## PRODUCT DATA SHEET

### Gas permeable sealing foil with evaporation reduction



Art.-No.: F-GPR48-10

#### Technical parameters

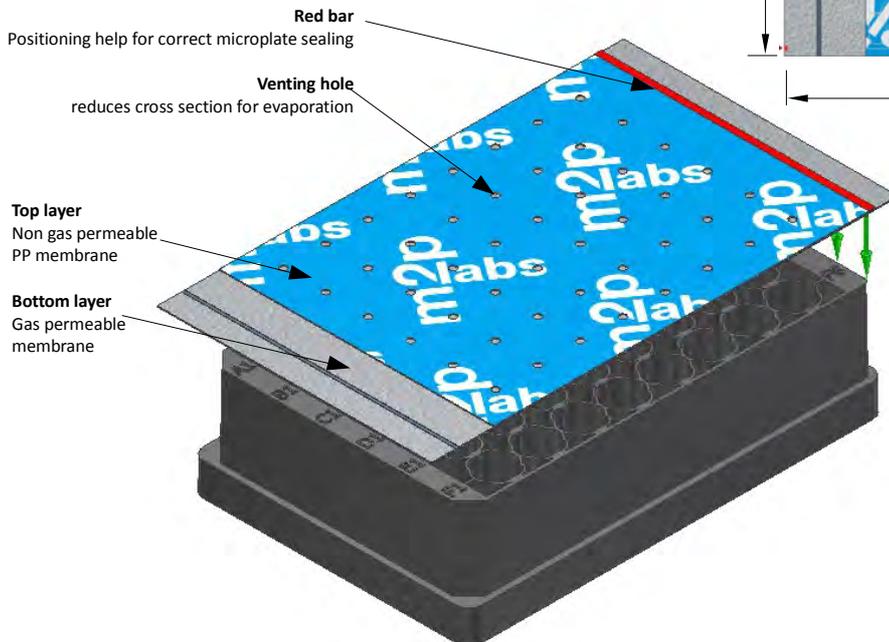
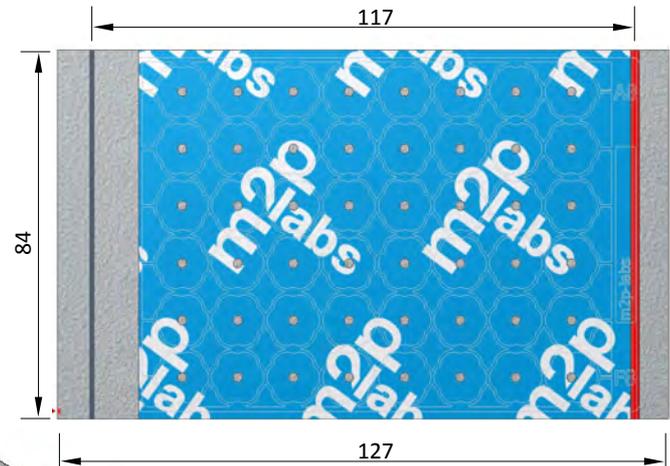
Specification	Description
Type	<ul style="list-style-type: none"> <li>- <b>Two layer sandwich membrane</b></li> <li>- <b>Top layer:</b> Non gas permeable PP membrane with venting holes for evaporation reduction</li> <li>- <b>Bottom layer:</b> gas permeable non-woven membrane (see art. no. F-GP-10)</li> <li>- <b>Venting holes</b> reduce cross section to minimize evaporation while ensuring <b>uniform and sufficient gas exchange</b></li> <li>- Recommended for <b>long term cultivations</b></li> <li>- Only suitable for <b>48 well</b> microplates</li> </ul>
Other information	<ul style="list-style-type: none"> <li>- Autoclavability: no</li> <li>- For single use only</li> <li>- Unit size: 10 pcs. in resealable bag</li> <li>- Medical grade adhesive</li> <li>- Temperature range: -20 – 80 °C</li> <li>- Sterile packed (γ-radiation, 15 kGy)</li> </ul>

#### Technical data: Performance

Evaporation rate *1	Atmosphere (Air)	Shaking conditions
0.8 ±0.1 %/d *2	Humidified (> 85% rel. hum.)	BioLector® n = 1100 rpm
3.1 ±0.5 %/d *2	Not humidified (≈ 35% rel. hum.)	d <sub>0</sub> = 3 mm *3
3.6 ±0.6 %/d *2	Not humidified (≈ 35% rel. hum.)	Shaking incubator n = 250 rpm d <sub>0</sub> = 25 mm *3

#### Top view

Dimensions [mm]



#### Also available specialized sealing foils

Art. No. F-GP-10

For short term cultivations, suitable for all types of microplates



Art. No. F-GPRS48-10

Developed for manual or automated sampling/dosing with functional self resealing slit, recommended for long-term cultivations

\*1.: FlowerPlate®, V<sub>L</sub> = 1000 µL, T = 37 °C

\*2.: Gravimetrically determined with water

\*3.: Shaking diameter

**INFORMATION** contained in this document or drawing is proprietary to m2p-labs GmbH. This document may not be reproduced in the whole or in parts for any reason without written permission from m2p-labs GmbH. All rights of design, invention and copyright are reserved.