

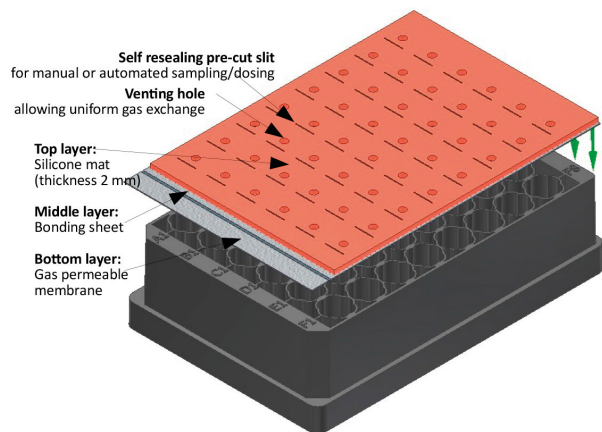
## Sealing Foil F-GPRS48-10

Gas permeable sealing foil with evaporation reduction and perforated silicone layer for automation

Now part of Beckman Coulter Life Sciences

### Technical parameters

Specification	Description
Type	<ul style="list-style-type: none"> <li>› <b>Three layer sandwich membrane</b></li> <li>› <b>Top layer:</b> silicone mat thickness 2 mm, including venting holes and pre-cut slits for automated or manual sampling/dosing</li> <li>› <b>Middle layer:</b> non gas permeable bonding sheet including venting holes</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 for evaporation (see art. no. F-GPR48-10)</li> <li>› Self <b>resealing pre-cut slits</b> for penetration by syringe (manual) or robotic tips (automated)</li> <li>› Recommended for <b>long term cultivations</b></li> <li>› Only suitable for <b>48 well</b> microplates</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>› Length: 116.0 mm</li> <li>› Width: 81.0 mm</li> </ul>
Sterilization	<ul style="list-style-type: none"> <li>› 20 kGy (β-radiation)</li> <li>› sterile packed</li> </ul>
Other information	<ul style="list-style-type: none"> <li>› Autoclavability: no</li> <li>› For single use only</li> <li>› Unit size: 2 x 5 pcs. in resealable bags</li> <li>› Medical grade adhesive</li> <li>› Temperature range: -20 – 80 °C</li> </ul>



\*1: FlowerPlate®, V = 1000 µL, T = 37 °C

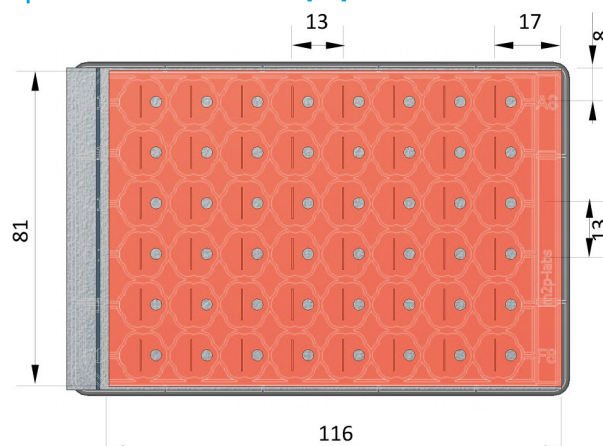
\*2: Gravimetrically determined with water

\*3: Shaking diameter

### Technical data: Performance

Evaporation rate *1	Atmosphere (Air)	Shaking conditions
1.3 ± 0.2 %/d *2	Humidified (> 85 % rel. hum.)	BioLector® n <sub>0</sub> = 1100 rpm d <sub>0</sub> = 3 mm *3
6.0 ± 0.1 %/d *2	Not humidified (≈ 35 % rel. hum.)	BioLector® n <sub>0</sub> = 1100 rpm d <sub>0</sub> = 3 mm *3
5.4 ± 0.2 %/d *2	Not humidified (≈ 35 % rel. hum.)	Shaking incubator n <sub>0</sub> = 250 rpm d <sub>0</sub> = 25 mm *3

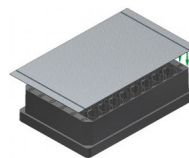
### Top view Dimensions for automation [mm]



### Also available specialized sealing foils

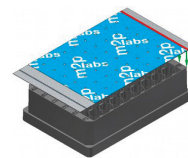
#### Art. No. F-GP-10

For short term cultivations, suitable for all types of microplates.



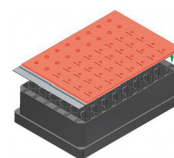
#### Art. No. F-GPR48-10

Recommended for long term cultivations with minimized evaporation.



#### Art. No. F-GPRSMF32-1

For (automated) long term cultivations in BioLector® Pro.



#### INFORMATION

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