

PRODUCT DATA SHEET

Gas permeable sealing foil with evaporation reduction



Art.-No.: F-GPR48-10

Technical parameters

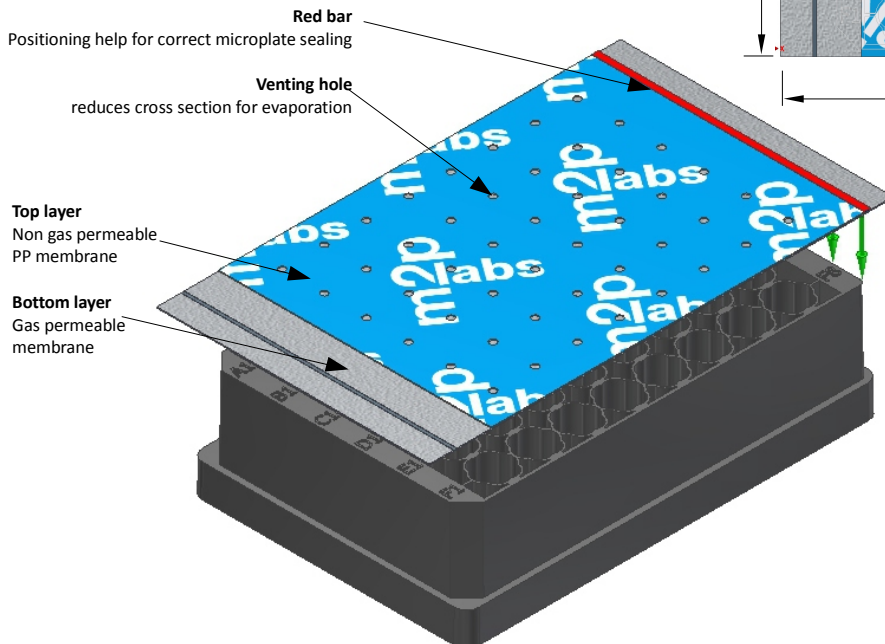
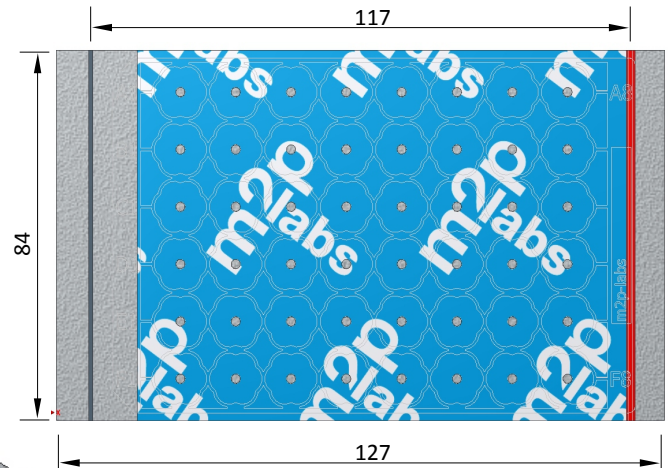
Specification	Description
Type	<ul style="list-style-type: none"> - Two layer sandwich membrane - Top layer: Non gas permeable PP membrane with venting holes for evaporation reduction - Bottom layer: gas permeable non-woven membrane (see art. no. F-GP-10) - Venting holes reduce cross section to minimize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

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 ₀ = 3 mm *3
3.6 ±0.6 %/d *2	Not humidified (≈ 35% rel. hum.)	Shaking incubator n = 250 rpm d ₀ = 25 mm *3

Top view

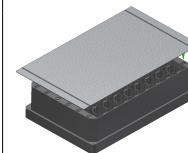
Dimensions [mm]



Also available specialized sealing foils

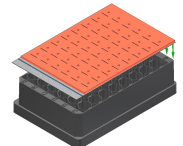
Art. No. F-GP-10

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_L = 1000 µL, T = 37 °C

*2.: Gravimetrically determined with water

*3.: Shaking diameter

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