

PRODUCT DATA SHEET

Gas permeable sealing foil

Art.-No.: F-GP-10



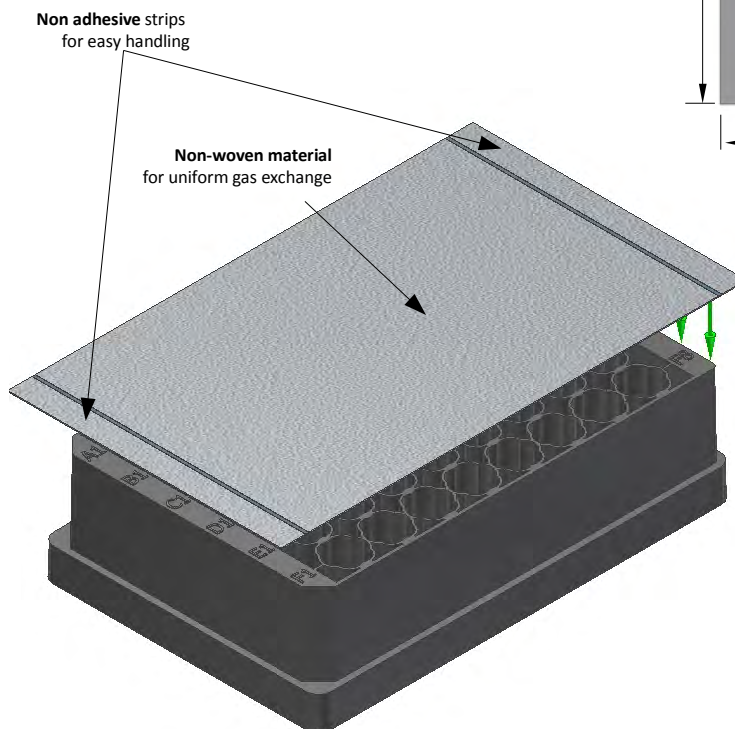
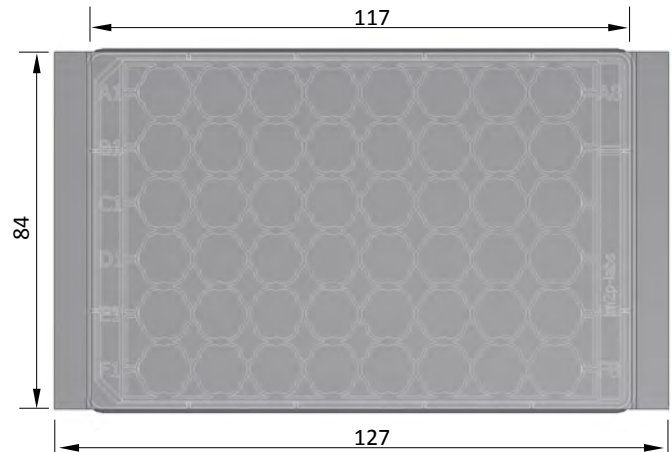
Technical parameters

Specification	Description
Type	<ul style="list-style-type: none"> - Non-woven membrane for maintaining sterility of microplate content and uniform gas exchange - Adhesive membrane - Non adhesive strips at outer sides left and right for easy handling (see drawing below) - Bigger dimensions than standard SBS footprint for easy handling - No limitation of oxygen transfer - Suitable for all types of microplates - Recommended for short term cultivations
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
5.0 \pm 0.3 %/d * ²	Humidified (> 85% rel. hum.)	BioLector® n = 1100 rpm
14.2 \pm 1.2 %/d * ²	Not humidified (\approx 35% rel. hum.)	d ₀ = 3 mm * ³
22.7 \pm 0.6 %/d * ²	Not humidified (\approx 35% rel. hum.)	Shaking incubator n = 250 rpm d ₀ = 25 mm * ³

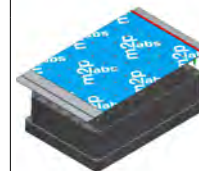
Top view Dimensions [mm]



Also available specialized sealing foils

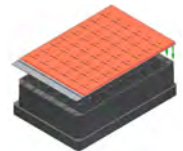
Art. No. F-GPR48-10

Recommended for long term cultivations with minimized evaporation



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 μ L, T = 37 °C
 *²: Gravimetrically determined with water
 *³: Shaking diameter

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