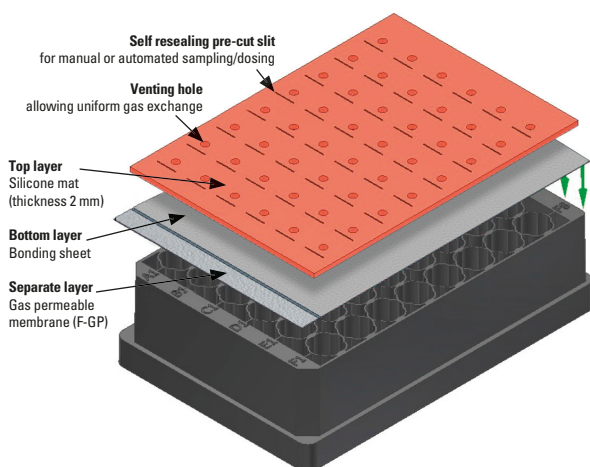


Sealing Foil F-RS48-10

Gas permeable sealing foil with evaporation reduction and perforated silicone layer for automation, for use with the Foil Applicator

Technical parameters

Specification	Description
Type	<ul style="list-style-type: none"> › Three layer sandwich membrane › Top layer: silicone mat thickness 2 mm, including venting holes and pre-cut slits for automated or manual sampling/dosing › Bottom layer: non gas permeable bonding sheet including venting holes › Separate layer: gas permeable non-woven membrane (see art. no. F-GP-10), to be applied manually › Venting holes reduce cross section for evaporation (see art. no. F-GPR48-10) › Self resealing pre-cut slits for penetration by syringe (manual) or robotic tips (automated) › Recommended for long term cultivations › Only suitable for 48 well microplates › Only suitable for foil application with the Foil Applicator, for manual foil application see counterpart, art. no. F-GPRS48-10
Dimension	<ul style="list-style-type: none"> › Length: 116.0 mm › Width: 81.0 mm
Sterilization	<ul style="list-style-type: none"> › 20 kGy (β-radiation) › sterile packed
Other information	<ul style="list-style-type: none"> › Autoclavability: no › For single use only › Unit size: 10 x 2 pcs. in sterilized bags (each bag contains 1 x F-GP and 1 x silicone mat) › Medical grade adhesive › Temperature range: -20 – 80 °C



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

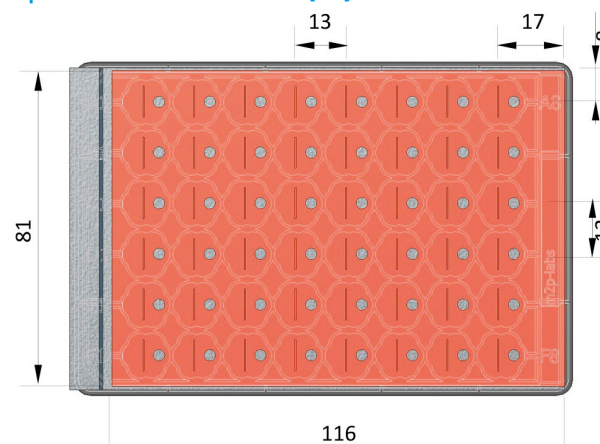
*2: Gravimetrically determined with water

*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 ₀ = 1100 rpm d ₀ = 3 mm *3
6.0 ± 0.1 %/d *2	Not humidified (≈ 35 % rel. hum.)	BioLector® n ₀ = 1100 rpm d ₀ = 3 mm *3
5.4 ± 0.2 %/d *2	Not humidified (≈ 35 % rel. hum.)	Shaking incubator n ₀ = 250 rpm d ₀ = 25 mm *3

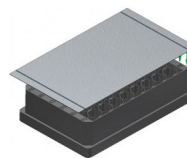
Top view Dimensions for automation [mm]



Also available specialized sealing foils

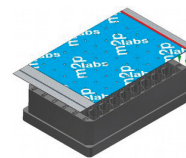
Art. No. F-GP-10

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



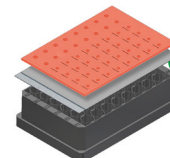
Art. No. F-GPR48-10

Recommended for long term cultivations with minimized evaporation.



Art. No. F-RSMF32-1

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



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.

HEADQUARTERS

m2p-labs GmbH
Arnold-Sommerfeld-Ring 2
52499 Baesweiler | Germany

Phone +49-2401-805-330
Fax +49-2401-805-333
info@m2p-labs.com

SUPPORT

EUROPE
Phone +49-2401-805-335
support@m2p-labs.com

N. & S. AMERICAS
Phone +1-631-501-1878
supportUS@m2p-labs.com

ASIA PACIFIC
Phone: +852-9207-6841
supportAsia@m2p-labs.com