

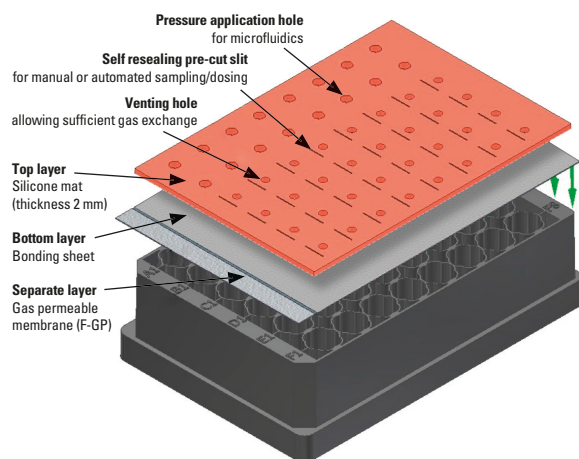
Sealing Foil F-RSMF32-1

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

Now part of Beckman Coulter Life Sciences

Technical parameters

Specification	Description
Type	<ul style="list-style-type: none"> › Three layer sandwich membrane › 2 rows with 4 mm holes to apply pressure › 4 rows with 3 mm venting holes to reduce cross section for evaporation (see art. no. F-GPR48-10) › Top layer: silicone mat thickness 2 mm, including pressure application and 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 › Self resealing pre-cut slits for penetration by syringe (manual) or robotic tips (automated) › Recommended for long-term cultivations › Only suitable for 48 well microfluidic microplates › Only suitable for foil application with the Foil Applicator, for manual foil application see counterpart, art. no. F-GPRSMF32-1
Dimension	<ul style="list-style-type: none"> › Length: 116.0 mm › Width: 81.0 mm
Sterilization	<ul style="list-style-type: none"> › 20 kGy (ß-radiation) › sterile packed
Other information	<ul style="list-style-type: none"> › Autoclavability: no › For single use only › Unit size: 1 x 2 pcs. in sterilized 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

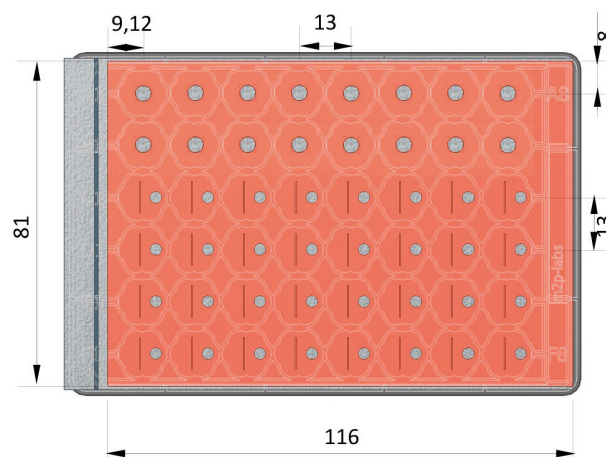
*2: Gravimetrically determined with water

*3: Shaking diameter

Technical data: Performance

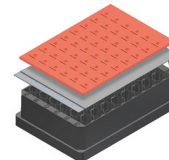
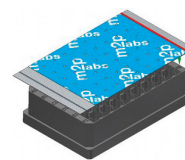
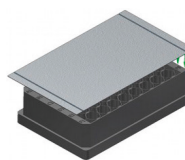
Evaporation rate *1	Atmosphere (Air)	Shaking conditions
1.3 ± 0.2 %/d *2	Humidified (> 85 % rel. hum.)	BioLector® n ₀ = 1100 rpm d ₀ = 3 mm *3
6.0 ± 0.1 %/d *2	Not humidified (≈ 35 % rel. hum.)	BioLector® n ₀ = 1100 rpm d ₀ = 3 mm *3
5.4 ± 0.2 %/d *2	Not humidified (≈ 35 % rel. hum.)	Shaking incubator 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	Art. No. F-GPR48-10	Art. No. F-RS48-10
For short term cultivations, suitable for all types of microplates.	Recommended for long term cultivations with minimized evaporation.	For automated long term cultivations with minimized evaporation.



INFORMATION

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