Sealing Foil F-GPRSMF32-1
Gas permeable sealing foil with evaporation reduction and perforated silicone layer for BioLector® Pro

Technical parameters

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
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</table>
| Type          | 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. FGPR48-10)  
                › Top layer: silicone mat thickness 2 mm, including pressure application and venting holes and pre-cut slits for automated or manual sampling/dosing  
                › Middle layer: non gas permeable bonding sheet including venting holes  
                › Bottom layer: gas permeable non-woven membrane (see art. no. F-GP-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 microfluidic microplates |
| Dimension     | Length: 116.0 mm  
                Width: 81.0 mm |
| Sterilization | 20 kGy (β-radiation)  
                sterile packed |
| Other information | Autoclavability: no  
                         For single use only  
                         Unit size: 1 piece in bag  
                         Medical grade adhesive  
                         Temperature range: -20 – 80 °C |

Technical data: Performance

<table>
<thead>
<tr>
<th>Evaporation rate *1</th>
<th>Atmosphere (Air)</th>
<th>Shaking conditions</th>
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</thead>
</table>
| 1.3 ± 0.2 %/d *2    | Humidified (> 85 % rel. hum.) | BioLector®  
                         n₀ = 1100 rpm  
                         d₀ = 3 mm *3 |
| 6.0 ± 0.1 %/d *2    | Not humidified (≈ 35 % rel. hum.) | BioLector®  
                         n₀ = 1100 rpm  
                         d₀ = 3 mm *3 |
| 5.4 ± 0.2 %/d *2    | Not humidified (≈ 35 % rel. hum.) | Shaking incubator  
                         n₀ = 250 rpm  
                         d₀ = 25 mm *3 |

Top view Dimensions for automation [mm]

Also available specialized sealing foils

Art. No. F-GP-10  
For short term cultiva- 
tions, suitable for all types of microplates.

Art. No. F-GPR48-10  
Recommended for long term cultivations with minimized evaporation.

Art. No. F-GPR48-10  
For automated long term cultivations with minimized evaporation.

INFORMATION

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