



## Syringeless Filters - SEPARA®

Save time and money in sample preparation process with SEPARA® syringeless filters. The single step filtering process is efficient, simple to use, easy to press and fast.

SEPARA Syringeless filter is one step sample preparation device and integrates a device auto-sampler, filtration membrane, plug and cap/septa. The device consists of two parts: an internal vial with a membrane chamber and an external vial to be filled with filtrate. The internal vial has a sealed membrane and a cap with a pre-cut septa.

The liquid is placed in the external vial and dispensed by pressing the internal vial. This pushes the liquid through the membrane. The sample is then filtered and the SEPARA is ready to be loaded in the auto-sampler.



### Features & Benefits

- ◆ Rapid sample preparation and single step process
- ◆ Sample ready to use after filtration
- ◆ Pre-slitted cap ensures easy and clean sample transfer
- ◆ Replace syringe, syringe filter, glass vial and cap, reducing waste
- ◆ Increase sample integrity with all-in vial and filter
- ◆ Compatible with any HPLC or UHPLC auto-samplers that takes a standard (12mm x 32mm profile)
- ◆ Preserve precious samples
- ◆ Reduce risk of cross-contaminations and extend column life and needle longevity
- ◆ Increase operator security and reduce identification errors

### Characteristics

**Dimensions:** 12 mm diameter x 32 mm height

**Materials:** Polypropylene, with PTFE and silicone septa

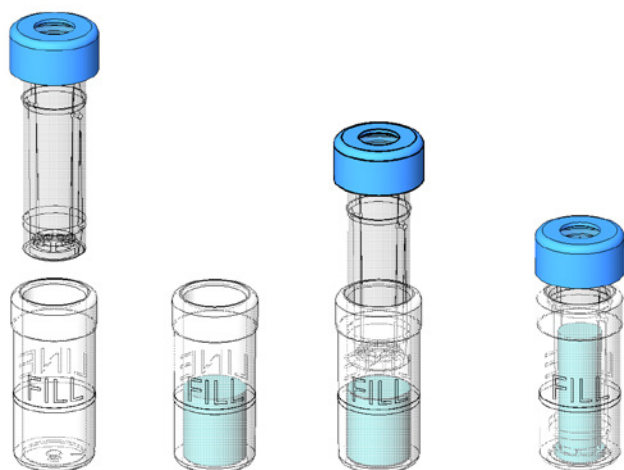
**Fill Line Volume:** 480 microliter

**Filtrating Capacity:** 450 microliter

**Dead Volume:** 30 microliter

**Compression Force:** 8 psi (0.6 bar)

**Maximum operating temperature:** 120°F (50°C)



Sample filling

Press down to  
filter sample

Filtered sample  
ready for analysis



**Press & Go!**



## Applications

| Membrane                       | Properties  | Compounds Class                                       |
|--------------------------------|---|---|
| PTFE (Polytetrafluoroethylene) | Hydrophobic - Chemically and biologically inert - Superior chemical resistance                              | Organic solvents, acids, alcohols, bases, aromatics   |
| RC (Regenerated Cellulose)     | Hydrophilic - Very low protein binding - Resistant to a wide range of solvents                              | Aqueous and organic solutions                         |
| NY (Nylon)                     | Hydrophilic - Low protein binding - Superior strength - Resistant to organic solvents                       | Bases, HPLC solvents, alcohols, aromatic hydrocarbons |
| PVDF (Polyvinylidene Fluoride) | Hydrophilic - Very low protein binding - High flow rates  | Alcohols, biomolecules                                |
| PES (Polyethersulfone)         | Hydrophilic - Designed to remove particulates - Low protein and drug binding - High strength and durability | Filtration of buffers and culture media               |

## Ordering information

| Membrane Material              | Pore Size (µm) | Color       | Product Code     | Price - € |
|--------------------------------|----------------|-------------|------------------|-----------|
|                                |                |             | 100/pk           |           |
| Polytetrafluoroethylene (PTFE) | 0.20           | Pink        | MV32ANPPT002TC01 | 90        |
| Polytetrafluoroethylene (PTFE) | 0.45           | Red         | MV32ANPPT004CC01 | 90        |
| Regenerated Cellulose (RC)     | 0.20           | Gray        | MV32ANPRC002GC01 | 90        |
| Regenerated Cellulose (RC)     | 0.45           | Black       | MV32ANPRC004LC01 | 90        |
| Nylon 66 (NY)                  | 0.20           | Light Blue  | MV32ANPNY002BC01 | 90        |
| Nylon 66 (NY)                  | 0.45           | Blue        | MV32ANPNY004UC01 | 90        |
| Polyvinylidene Fluoride (PVDF) | 0.20           | Yellow      | MV32ANPPV002FC01 | 90        |
| Polyvinylidene Fluoride (PVDF) | 0.45           | Orange      | MV32ANPPV004IC01 | 90        |
| Polyethersulfone (PES)         | 0.20           | Light Green | MV32ANPPS002EC01 | 90        |
| Polyethersulfone (PES)         | 0.45           | Dark Green  | MV32ANPPS004WC01 | 90        |
| Separatogglor                  | -              | -           | SEPARATOGGLER120 | 800       |

**Buy 20 boxes of Separatogglor syringeless vials and get for free the Separatogglor !!**