

# Press & Go!

Step up your sample preparation with SEPARA<sup>®</sup> syringeless filter vials from GVS Life Sciences



SEPARA<sup>®</sup> integrates the following into one single device: auto-sampler vial, filtration membrane, plunger, and cap/septa.

- ◆ **Save money** – Eliminate the need for separate syringes, syringe filters, vials and septa, reducing sample preparation costs by 50%
- ◆ **Save operator time** – 15 seconds SEPARA<sup>®</sup> Press&Go!, against 3 minutes with conventional sample preparation methods
- ◆ **Speed up process with high throughput automation** – Designed and compatible for use with all HPLC or UHPLC auto-samplers
- ◆ **Preserve precious samples** – Start with less sample volume; dead volume as low as 30 microliters (µL)
- ◆ **Reduce risk of cross-contaminations** – No cumbersome steps transferring sample between different devices
- ◆ **Extend column life and needle longevity** – Reduce risks of clogging and back pressure build up
- ◆ **Increase operator security** – Safer single step process
- ◆ **Reduce identification errors** – Color-coded caps by membrane type and pore size



SAVE MONEY



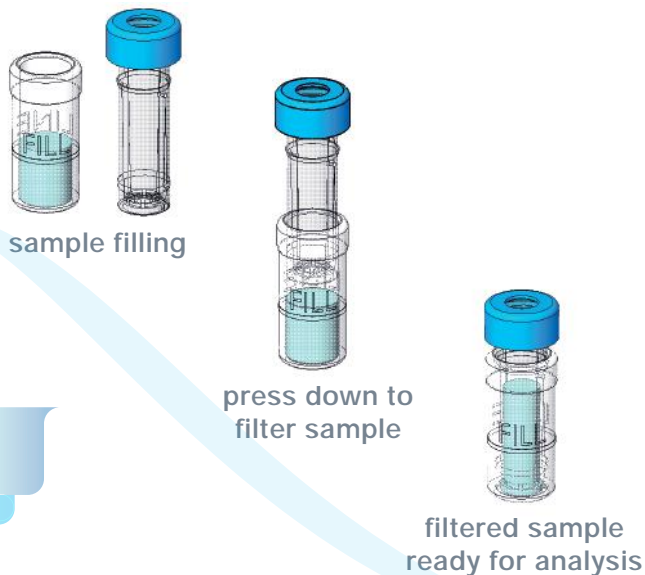
SAVE TIME



MAXIMIZE SAMPLE RECOVERY



PRESERVE PRECIOUS SAMPLES



## Technical Specifications

**Dimensions** – 12 mm diameter x 32 mm height  
**Materials** – Housing, cap: polypropylene; septa: PTFE/silicone  
**Maximum Volume** – 480 microliters ( $\mu\text{L}$ )  
**Dead Volume** – 30 microliters ( $\mu\text{L}$ )  
**Compression Force** – 8 psi (0.6 bar) approximately  
**Maximum Operating Temperature** – 50°C (120°F)  
**Automation** – Designed for use with all auto-samplers and compressor units

## 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 ( $\mu\text{m}$ )	Color	Product Code
			100/pk
Polytetrafluoroethylene (PTFE)	0.20	 Pink	MV32ANPPT002TC01
Polytetrafluoroethylene (PTFE)	0.45	 Red	MV32ANPPT004CC01
Regenerated Cellulose (RC)	0.20	 Gray	MV32ANPPRC002GC01
Regenerated Cellulose (RC)	0.45	 Black	MV32ANPPRC004LC01
Nylon (NY)	0.20	 Light Blue	MV32ANPNY002BC01
Nylon (NY)	0.45	 Blue	MV32ANPNY004UC01
Polyvinylidene Fluoride (PVDF)	0.20	 Yellow	MV32ANPPV002FC01
Polyvinylidene Fluoride (PVDF)	0.45	 Orange	MV32ANPPV004IC01
Polyethersulfone (PES)	0.20	 Light Green	MV32ANPPS002EC01
Polyethersulfone (PES)	0.45	 Dark Green	MV32ANPPS004WC01