



# ROWE SCIENTIFIC

PTY LTD ABN 63 009 437 790

*For accuracy and professionalism*

Providing laboratory supplies to the scientific community across Australia since 1987. We are proudly a 100% Australian owned company.

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## SEPARA



## Press&Go!

Step up your sample preparation with SEPARA® syringeless filter vials from GVS Life Sciences



SEPARA® integrates in 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® 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

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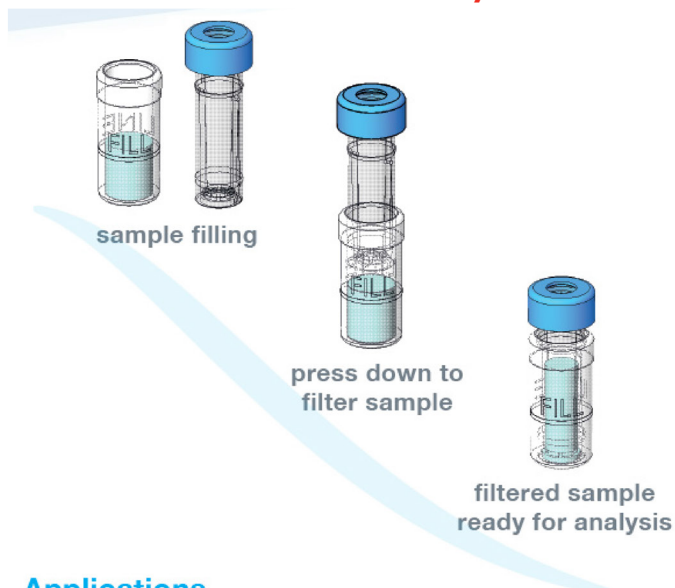
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Samples are available on request.

Contact your Rowe Scientific representative.



## Technical Specifications

Dimensions – 12 mm diameter x 32 mm height  
 Materials – Housing, cap: polypropylene; septa: PTFE/silicone  
 Maximum Volume – 480 microliters (µL)  
 Dead Volume – 30 microliters (µL)  
 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

ROWE CODE	Membrane Material	Pore Size (µm)	Color	Product Code
				100/pk
FV0006	Polytetrafluoroethylene (PTFE)	0.20	Pink	MV32ANPPT002TC01
FV0007	Polytetrafluoroethylene (PTFE)	0.45	Red	MV32ANPPT004CC01
FV0010	Regenerated Cellulose (RC)	0.20	Gray	MV32ANPRC002GC01
FV0011	Regenerated Cellulose (RC)	0.45	Black	MV32ANPRC004LC01
FV0002	Nylon (NY)	0.20	Light Blue	MV32ANPNY002BC01
FV0003	Nylon (NY)	0.45	Blue	MV32ANPNY004UC01
FV0008	Polyvinylidene Fluoride (PVDF)	0.20	Yellow	MV32ANPPV002FC01
FV0009	Polyvinylidene Fluoride (PVDF)	0.45	Orange	MV32ANPPV004IC01
FV0004	Polyethersulfone (PES)	0.20	Light Green	MV32ANPPS002EC01
FV0005	Polyethersulfone (PES)	0.45	Dark Green	MV32ANPPS004WC01