

Press & Go!

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



SEPARA[®] 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[®] 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



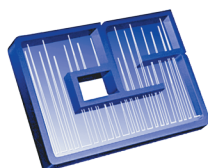
SAVE TIME



MAXIMIZE SAMPLE RECOVERY



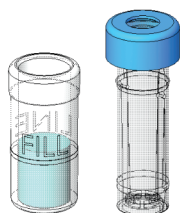
PRESERVE PRECIOUS SAMPLES



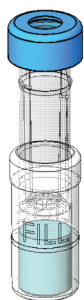
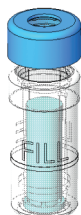
**CHROMATOGRAPHIC
SPECIALTIES INC.**

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sample filling


 press down to
 filter sample

 filtered sample
 ready for analysis

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

Membrane Material	Pore Size (μm)	Color	Product Code
			100/pk
Polytetrafluoroethylene (PTFE)	0.20	 Pink	GVMV32ANPPT002TC
Polytetrafluoroethylene (PTFE)	0.45	 Red	GVMV32ANPPT004CC
Regenerated Cellulose (RC)	0.20	 Gray	GVMV32ANPRC002GC
Regenerated Cellulose (RC)	0.45	 Black	GVMV32ANPRC004LC
Nylon (NY)	0.20	 Light Blue	GVMV32ANPNY002BC
Nylon (NY)	0.45	 Blue	GVMV32ANPNY004UC
Polyvinylidene Fluoride (PVDF)	0.20	 Yellow	GVMV32ANPPV002FC
Polyvinylidene Fluoride (PVDF)	0.45	 Orange	GVMV32ANPPV004IC
Polyethersulfone (PES)	0.20	 Light Green	GVMV32ANPPS002EC
Polyethersulfone (PES)	0.45	 Dark Green	GVMV32ANPPS004WC