

# **NEW** Bottle Top/Syringe Filters

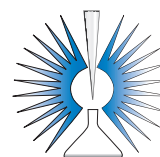
## Filtration Compatibility Chart

Phenix 250mL and 500mL Bottle Top Filtration Units are ideal for separation and purification of your samples. Membrane material includes MCE, PVDF, Nylon, and PES in .45µm and .22 µm. Item has a wide bottle opening for easy access and pouring the product. Funnel is manufactured from optically clear polystyrene. The bottle and filter adapter are manufactured from 100% virgin polypropylene.

PHENIX Syringe Filters are ideal for filtering culture media and organic solvents in a wide range of applications. All items are tested for filter efficiency and housing integrity. Filter housing is manufactured and tested to withstand pressures of up to 75 psi (5.1 bar)



Type	Description	Application	Pore Size (µg)	Wettability	Applicable pH Value	Filter Diameter (mm)
<b>PVDF</b>	Good heat endurance and chemical stability. Extremely low protein-binding: for filtration of non-aggressive aqueous and mild organic solutions, or where maximizing protein recovery is important.	Filtration & Sterilization of Biological Solutions	<b>0.22</b> <b>0.45</b>	<b>Hydrophillic</b>	<b>1-14</b>	<b>13, 25 &amp; 30</b>
<b>MCE</b>	Most widely used membranes for research applications. Used in the filtration of aqueous solutions and effectively binds trace proteins	Filtration of Sterilization of Aqueous Solutions, Bioassays, preparation of HPLC sample, particle removal, & microbiology analysis	<b>0.22</b> <b>0.45</b>	<b>Hydrophillic</b>	<b>1-14</b>	<b>13, 25 &amp; 30</b>
<b>Nylon</b>	Provides a broad range of chemical compatibility for the filtration of either aqueous or organic solvents; hydrophobic; and can be used in a broad pH range	Filtration Sterilization of Aqueous or Organic Solvents, Bioassays, and Particle Removal.	<b>0.22</b> <b>0.45</b>	<b>Hydrophillic</b>	<b>3-12</b>	<b>13, 25 &amp; 30</b>
<b>PES</b>	Low-affinity for proteins and extractable with a substantially faster flow rates than PVDF; suitable for pre-filtration and filtration of buffers and culture media.	Suitable for Pre-Filtration & Filtration of Buffers, Additives, Protein Solution & Culture Media.	<b>0.22</b> <b>0.45</b>	<b>Hydrophillic</b>	<b>1-14</b>	<b>13, 25 &amp; 30</b>
<b>PTFE</b>	Broad chemical compatibility. Strong chemical stability & inertia	Filtration Sterilization of Organic Solvents, Strong Acids & Alkali Solvents.	<b>0.22</b> <b>0.45</b>	<b>Hydrophillic</b>	<b>1-14</b>	<b>13, 25 &amp; 30</b>



**PHENIX**  
RESEARCH PRODUCTS

73 Ridgeway Road  
Candler, NC 28715  
800.767.0665  
www.PhenixResearch.com