Safe-Cone Filters

The Ultimate Pipette Protectors



Product Information

Safe-Cone Filters are unique and replaceable filters, which act as a final barrier to prevent any fluids and liquid vapours from reaching the internal components of the pipette. Safe-Cone Filters are available in two types Plus Filter and Standard Filter.

Applications

Plus Filter:
For more demanding applications such as radioactive work, cellculture, bacterial and virological work and molecular biology.

Standard Filter:
For general applications. Can be used in same type of work as the Plus filter, but needs to be changed more frequently.

Performance

Safe-Cone Filter Standard:
The filters prevent fluids and aerosols from reaching the internal component of the pipette. However incase of over-aspiration the standard filter does not block the liquid flow and liquid can penetrate through the filter.

Safe-Cone Filter Plus:
The filters prevent fluids and aerosols from reaching the internal component of the pipette. In case of over-aspiration the Plus filter blocks the liquid flow. Note that the strong organic solvents and 96% alcohols (including vapours) might penetrate through the filter. However 60% alcohols are blocked by the filter.

NOTE: Clean Safe-Cone Filter doesn't affect the pipetting accuracy and precision. Replace the filter immediately if it is dirty.

NOTE: It is not recommended to use the Safe-Cone Filters together with the filter tips. Double-filtering may has an effect on the air flow and thus influence to the pipetting accuracy and precision.

The interval of changing the filter depends on the application and the sample. However according to studies the filter is recommended to be changed daily (after 50 to 250 pipettings) and always in case of over-aspiration.

Technical Data

Specifications

Materials	
Standard Filter	Polyethylene (PE)*
Plus Filter	Polyethylene (PE) and additive carboxymethylcellulose (CMC)

* Standard filter 721014 is made from bonded polyolefin fibers (PP, polypropylene).

Ordering Information

Order Code	Pore Size [µm]	Diameter [mm]	Length [mm]	Pack Size [Pieces]
Safe-Cone Filter Standard				
721005	100 - 170	6.73	7.62	50
721006	100 - 170	5.33	5.00	50
721007	18 – 40	3.15	5.50	50
721008	18 – 40	2.51	6.35	50
721014	*	1.83	4.50	50

* The filter 721014 is made from bonded polyolefin fibers (PP, polypropylene). In the fiber technology they talk about fiber density not pore size and unfortunately, we do not have any kind of correlation factor to pore sizes. However, this filter is a bit more protective than PE filters but it is not a Plus filter.

Safe-Cone Filter Plus				
721015	18 – 40	6.73	7.62	50
721016	18 – 40	5.33	5.00	50
721017	18 – 40	3.15	5.50	50
721018	18 – 40	2.51	6.35	50

Specifications subject to change without notice.
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