

Innovative

18 micron Gradient SSNC Filter Tips

Superior Technology preventing Aerosol Cross contamination

0.5 5 10 20 50 100 150 200 300 & 1200 μ l GRADIENT FILTERTIPS range

Average pore size
18 μ m

3-dimensional GRADIENT filter
Average pore size of 18 μ m. Gradient density
guides airflow and protect against aerosols.

Filter materials

The use of a filter in a filter tip eliminates the formation of aerosols in the shaft of the pipette, since it blocks the air-to-liquid interface between the sample and the pipette shaft. This simple idea has evolved in a numerous types and brands of filtertips and filter materials.

In earlier days filters were made of cellulose. Not being inert, this material was not suitable to prevent cross-contamination in sensitive pipetting procedures. Nowadays most filters are made of 3-dimensional cross-linked HMPE (Polyethylene), which is totally inert.

Protection versus Accuracy

The most important parameter for a filter tip is the pore size of the applied filter material.

The pore size must be smaller than 25 μ m to protect against aerosols at all. If the pore size is between 20 and 25 μ m, a filter will give reasonable protection, however liquid will pass when overloaded.

Below 20 μ m, a filter will give superior protection.

When pore sizes gets below 14 μ m, it becomes too difficult to pipet liquids in a reproducible manner, because of the airflow barrier. Therefore, it makes no sense to use filters with this small pore size.

The costs and investments to manufacture a filter material with an average pore size of 18 μ m are high.

BIOplastics Self Sealing Non Collapsing (SSNC) filter tip meet this specification and is manufactured with a density gradient from top to bottom. It is the perfect balance between superior protection and accurate pipetting.

Filtering Capacity

The filtering capacity of a certain filter is defined as the ratio of filter length and pore size. The longer a filter is, the better it filters. This relation is almost linear. BIOplastics filters have the longest length available in the market when compared to other brands. On the other hand, the smaller the pore size is (down to 14 μ m), the better it protects. When these two factors are combined, the result is a superior filter tip.

Tips in Multi Purpose Racks (MPR)

BIOplastics BV has designed multi purpose racks in which tips are packed. Tips are made of medical grade extreme clear and soft PP with no molecule binding properties. The soft tips ensures superior pipetting, easy pipet seating, releases and so preventing RSI. Each rack consists of a colored bottom part, a transparent hinged lid, and a multi-purpose interchangeable tip insert. The empty box can be used for storage.

The multi-purpose interchangeable tip insert can hold PCR plates and strips. Additional tube grids are available which enables making your own 0.5 ml / 1.5 ml micro centrifuge tube storage / freezer rack. Whenever you buy racked tips you end up with, not only an excellent tip, but also a good start for an even better organized lab!

Another smart design from BIOplastics BV to serve customers the best way we can.

5 µl Nano Tip

Fits Gilson, Biohit, Eppendorf, Nichiryo, Oxford, and others.



type **B**



Available March 2009

Orderno	Description	Package Size
B95501	SSNC 5 µl filtertip, sterile8 racks of 96 (768)

10 µl

Fits Gilson, Biohit, Eppendorf, Finnpiquette, Nichiryo, Oxford, and others.



type **Z0**



Orderno	Description	Package Size
B95012	SSNC 10 µl filtertip, sterile8 racks of 96 (768)

10 µl

Fits Gilson, Rainin, Eppendorf, Biohit, Nichiryo, Oxford and others.



type **D**



Orderno	Description	Package Size
B95011	SSNC 10 µl filtertip, sterile8 racks of 96 (768)

10 µl

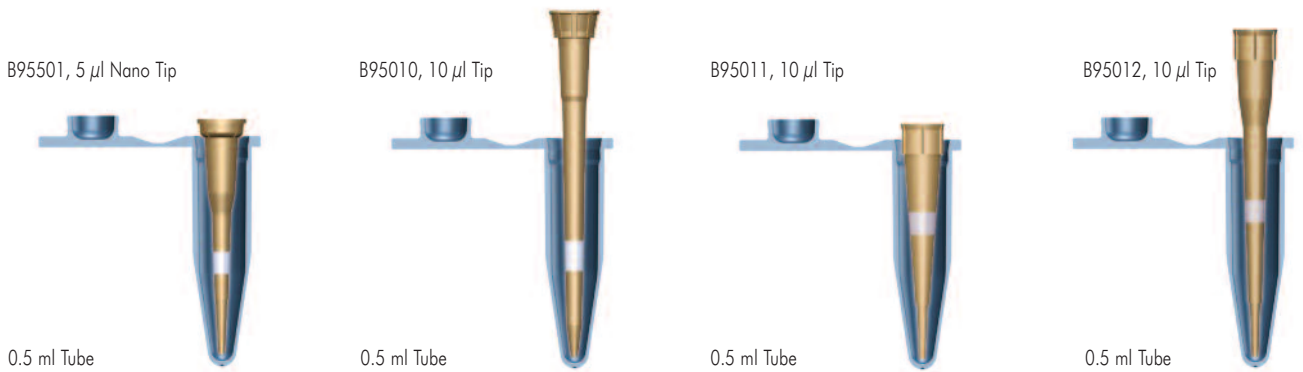
Fits Eppendorf, Nichiryo, Oxford, Socorex, Titertek, and others.



type **C**



Orderno	Description	Package Size
B95010	SSNC 10 µl filtertip, sterile8 racks of 96 (768)

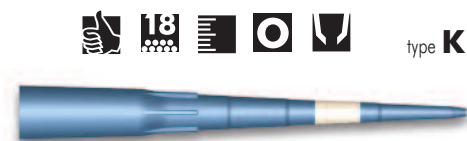


Trademarks in sequence of mark and owner: Biohit Proline: Biohit Oy, Costar: DBA Costar, Eppendorf: Eppendorf AG, Finnpiquette: Finnpiquette, Gilson: Gilson Inc., MLA: MLA Inc., Nichiryo, Nichiryo Co., Ltd

10 µl

Fits Gilson, Biohit, Costar, Finnpiquette, Nichiryo, Oxford, Titertek, and others.

Orderno	Description	Package Size
B90122	SSNC 10 µl filtertip, sterile	.8 racks of 96 (768)



20 µl

Fits Eppendorf, Nichiryo, Oxford, Socorex, Titertek, and others.

Orderno	Description	Package Size
B90114	SSNC 20 µl filtertip, sterile	.8 racks of 96 (768)



20 µl

Fits Gilson, Costar, Eppendorf, Excaliber, Finnpiquette, Nichiryo, Socorex, Volac, and others.

Orderno	Description	Package Size
B90520	SSNC 20 µl filtertip, sterile	.8 racks of 96 (768)



50 µl

Fits Gilson, Costar, Eppendorf, Excaliber, Finnpiquette, Nichiryo, Socorex, Volac, and others.

Orderno	Description	Package Size
B90550	SSNC 50 µl filtertip, sterile	.8 racks of 96 (768)



100 µl

Fits Gilson, Costar, Eppendorf, Excaliber, Finnpiquette, Nichiryo, Socorex, Volac, and others.

Orderno	Description	Package Size
B95100	SSNC 100 µl filtertip, sterile	.8 racks of 96 (768)



150 µl

Fits Gilson, Finnpiquette, Titertek, and others.

Orderno	Description	Package Size
B90151	SSNC 150 µl filtertip, sterile	.8 racks of 96 (768)



100 µl

Fits Eppendorf, Costar, Finnpiquette, Nichiryo, Oxford, Socorex, and others.



Orderno	Description	Package Size
B90225	SSNC 100 µl filtertip, sterile	8 racks of 96 (768)

200 µl Extra Long

Fits Gilson, Biohit, Costar, Finnpiquette, Nichiryo, Oxford, and others.



Orderno	Description	Package Size
B90222	SSNC 200 µl filtertip, Extra Long, sterile	8 racks of 96 (768)

200 µl

Fits Gilson, Biohit, Costar, Finnpiquette, Nichiryo, Oxford, and others.




Orderno	Description	Package Size
B95201	SSNC 200 µl filtertip, sterile	8 racks of 96 (768)


1000 µl


Fits Gilson, Eppendorf, Costar, Finnpiquette, Nichiryo, Oxford, Socorex, SMI, Titertek, Volac, and others.





Orderno	Description	Package Size
B95210	SSNC 1000 µl filtertip, sterile	8 racks of 72 (576)

 This product is free of DNA(se), RNA(se), pyrogen and metals

 This product is graduated for quick volume identification

 The orifice of this tip is beveled at 45° to improve sample rejection accuracy

 Filtertip with an average pore size of 18 µm

 This product is made from a blend of PP, optimized for (q)PCR applications

BIOplastics

Made in The Netherlands

Head Quarters:

BIOplastics BV
Rötscherweg 61
Entrance D
6374 XW Landgraaf
The Netherlands

Telephone: +31 (0)45 533 87 50
Fax: +31 (0)45 533 87 96

Website: www.bioplastics.com
E-mail: info@bioplastics.com

Subsidiary:

BPCTi Inc.
2933 South Miami Blvd.
Suite 121
Durham, NC 27703, USA

Telephone: 919 806 8811
Fax: 919 806 2014

E-mail: info@bpcti.com
Website: www.bpcti.com

Your local distributor: