

# 4.1 Filter Tips

Filter pore size 4 microns

Volume Range 0.1 – 20 µl

Free of human DNA, certified free of DNase, RNase and PCR inhibitors



PCR version Cristal version

AHN high precision tips simply the best filter tip. AHN filter tips adopt the very latest micropore technology to ensure that all aerosols and liquids are prevented from entering the pipettor without the need of additives as founded in self-sealing type filters, which also have the disadvantage of trapping samples in the tip once the filter has sealed. AHN filter tips use virgin high effective hydrophobic polymer filters without additives (that may become a source of contamination), and their micropore technology ensures that the filters will never trap samples in the tip. Should the filter become wet due to inadvertent over-pipetting, it will act as a barrier to the passage of liquid, yet the sample in the tip may still be dispensed in the normal way and can be re-used without fear of contamination. AHN filter tips are available in racks or bags.

High quality filter tips for all molecular biological laboratories. With defined flow dynamics and minimal water retention and a very good thermal stability special for PCR techniques.

Conformity for use with, but not restricted, to all pipettors shown in the Top-Line range of tips.

**For specification of AHN filter tips compare with the specification tables of Top-Line tips !**

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
2-000-96-0	AHN Filter-Tip 0.1-10 µl	non	natural	rack	rack-96	10 x rack-96
2-001-96-0	AHN Filter-Tip 0.1-10 µl	yes	natural	rack	rack-96	10 x rack-96
2-000-70-0	AHN Filter-Tip 0.1-10 µl	non	natural	bag	1000	5 x 1000
2-001-70-0	AHN Filter-Tip 0.1-10 µl	yes	natural	bag	1000	5 x 1000
2-050-96-0	AHN Filter-Tip Cristal 0.5-10 µl	non	natural	bag	rack-96	10 x rack-96
2-051-96-0	AHN Filter-Tip Cristal 0.5-10 µl	yes	natural	rack	rack-96	10 x rack-96
2-053-96-0	AHN Filter-Tip Cristal 0.5-20 µl	yes	natural	rack	rack-96	10 x rack-96
2-050-70-0	AHN Filter-Tip Cristal 0.5-10 µl	non	natural	bag	1000	5 x 1000
2-051-70-0	AHN Filter-Tip Cristal 0.5-10 µl	yes	natural	bag	1000	5x 1000

## 4.2 Filter Tips

Filter pore size 4 microns

Volume Range 1 – 300 µl

Free of human DNA, certified free of DNase, RNase and PCR inhibitors



Conformity for use with, but not restricted, to all pipettors shown in the Top-Line range of tips.



AHN high precision tips simply the best filter tip. AHN filter tips adopt the very latest micropore technology to ensure that all aerosols and liquids are prevented from entering the pipettor without the need of additives as founded in self-sealing type filters, which also have the disadvantage of trapping samples in the tip once the filter has sealed. AHN filter tips use virgin high effective hydrophobic polymer filters without additives (that may become a source of contamination), and their micropore technology ensures that the filters will never trap samples in the tip. Should the filter become wet due to inadvertent over-pipetting, it will act as a barrier to the passage of liquid, yet the sample in the tip may still be dispensed in the normal way and can be re-used without fear of contamination. AHN filter tips are available in racks or bags.

**For specification of AHN filter tips compare with the specification tables of Top-Line tips !**

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
2-124-96-0	AHN Filter-Tip 1 - 20 µl	non	natural	rack	rack-96	10 x rack-96
2-114-96-0	AHN Filter-Tip 1 - 20 µl	yes	natural	rack	rack-96	10 x rack-96
2-124-70-0	AHN Filter-Tip 1 - 20 µl	non	natural	bag	1000	5 x 1000
2-114-70-0	AHN Filter-Tip 1 - 20 µl	yes	natural	bag	1000	5 x 1000
2-126-96-0	AHN Filter-Tip 1 - 30 µl	non	natural	rack	rack-96	10 x rack-96
2-116-96-0	AHN Filter-Tip 1 - 30 µl	yes	natural	rack	rack-96	10 x rack-96
2-126-70-0	AHN Filter-Tip 1 - 30 µl	non	natural	bag	1000	5 x 1000
2-116-70-0	AHN Filter-Tip 1 - 30 µl	yes	natural	bag	1000	5 x 1000
2-121-96-0	AHN Filter-Tip 1 - 50 µl	non	natural	rack	rack-96	10 x rack-96
2-111-96-0	AHN Filter-Tip 1 - 50 µl	yes	natural	rack	rack-96	10 x rack-96
2-126-70-0	AHN Filter-Tip 1 - 50 µl	non	natural	bag	1000	5 x 1000
2-116-70-0	AHN Filter-Tip 1 - 50 µl	yes	natural	bag	1000	5 x 1000
2-122-96-0	AHN Filter-Tip 1 - 100 µl	non	natural	rack	rack-96	10 x rack-96
2-112-96-0	AHN Filter-Tip 1 - 100 µl	yes	natural	rack	rack-96	10 x rack-96
2-122-70-0	AHN Filter-Tip 1 - 100 µl	non	natural	bag	1000	5 x 1000
2-112-70-0	AHN Filter-Tip 1 - 100 µl	yes	natural	bag	1000	5 x 1000
2-123-96-0	AHN Filter-Tip 1 - 200 µl	non	natural	rack	rack-96	10 x rack-96
2-113-96-0	AHN Filter-Tip 1 - 200 µl	yes	natural	rack	rack-96	10 x rack-96
2-123-70-0	AHN Filter-Tip 1 - 200 µl	non	natural	bag	1000	5 x 1000
2-113-70-0	AHN Filter-Tip 1 - 200 µl	yes	natural	bag	1000	5 x 1000
2-125-96-0	AHN Filter-Tip 1 - 230 µl	non	natural	rack	rack-96	10 x rack-96
2-115-96-0	AHN Filter-Tip 1 - 230 µl	yes	natural	rack	rack-96	10 x rack-96
2-123-70-0	AHN Filter-Tip 1 - 230 µl	non	natural	bag	1000	5 x 1000
2-115-70-0	AHN Filter-Tip 1 - 230 µl	yes	natural	bag	1000	5 x 1000

# 4.3 Filter Tips

Filter pore size 4 microns

Volume Range 100 – 1000 µl

Free of human DNA, certified free of DNase, RNase and PCR inhibitors



short version long version

AHN high precision filter tips volume range 100 to 1000 µl are available in “long” and “short” versions. Specially the “long” version reaches to the bottom of all small tubes and is specially designed for molecular biological purposes. AHN filter tips adopt the very latest micropore technology to ensure that all aerosols and liquids are prevented from entering the pipettor without the need of additives as founded in self-sealing type filters, which also have the disadvantage of trapping samples in the tip once the filter has sealed. AHN filter tips use virgin high effective hydrophobic polymer filters without additives (that may become a source of contamination), and their micropore technology ensures that the filters will never trap samples in the tip. Should the filter become wet due to inadvertent over-pipetting, it will act as a barrier to the passage of liquid, yet the sample in the tip may still be dispensed in the normal way and can be re-used without fear of contamination. AHN filter tips are available in racks or bags.

Conformity for use with, but not restricted, to all pipettors shown in the Top-Line range of tips.

**For specification of AHN filter tips compare with the specification tables of Top-Line tips !**

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
2-201-96-0	AHN Filter-Tip long 100-1000 µl	yes	natural	rack	rack-96	10 x rack-96
2-211-96-0	AHN Filter-Tip long 100-1000 µl	non	natural	rack	rack-96	10 x rack-96
2-201-70-0	AHN Filter-Tip long 100-1000 µl	yes	natural	bag	1000	5 x 1000
2-211-70-0	AHN Filter-Tip long 100-1000 µl	non	natural	bag	1000	5 x 1000
2-209-06-0	AHN Filter-Tip short 100-1000 µl	yes	clear-blue	rack	rack-60	10 x rack-60
2-210-06-0	AHN Filter-Tip short 100-1000 µl	non	clear-blue	rack	rack-60	10 x rack-60
2-209-70-2	AHN Filter-Tip short 100-1000 µl	yes	clear-blue	bag	1000	5 x 1000
2-210-70-2	AHN Filter-Tip short 100-1000 µl	non	clear-blue	bag	1000	5 x 1000

# 4.4 ULR Filter Tips

Filter pore size 4 microns

Volume Ranges 0.1 – 1000 µl

Free of human DNA, certified free of DNase, RNase and PCR inhibitors



Conformity for use with, but not restricted, to all pipettors shown in the Top-Line range of tips.

AHN ULR filter tips adopt the latest micropore technology to ensure that all aerosols and liquids are prevented from entering the pipettor without the need of additives as founded in self-sealing type filters, which also have the disadvantage of trapping samples in the tip once the filter has sealed. AHN ULR filter tips use virgin high effective hydrophobic polymer filters without additives (may be source of contamination), and their micropore technology ensures that the filters will never trap samples in the tip. Should the filter become wet due to inadvertent over-pipetting, it will act as a barrier to the passage of liquid, yet the sample in the tip may still be dispensed in the normal way and can be re-used without fear of contamination. AHN ULR filter tips are available in racks.

Sample retention can be a mayor contributor to pipetting inaccuracy. Siliconization of tips has proved unsatisfactory because of autoclaving and contamination problems. AHN Biotechnologie has developed a new polymer that produces a “super slick surface” on new AHN ULR filter tips. On average ULR filter tips reduces the tip retention by near 85 % and decreases the standard deviation of the retained volume by more than 75 %.

Liquid handling accuracy and precision are crucial to success in today’s molecular biology laboratories, especially for DNA analysis and protein handling. A significant culprit of pipette inaccuracy is binding of sample. The AHN ULR filter tips reduces the binding, thus increasing sample delivery accuracy. Tests demonstrates that AHN ULR filter tips significantly reduces the amount of DNA and protein bound by the tip. Furthermore AHN ULR filter tips offer a marked improvement over the best low retention technologies.

**For specification of ULR-tips compare with the specification tables of Top-Line tips !**

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
5-001-96-0	ULR Filter-Tip 0.1-10 µl PCR	yes	natural	rack	rack-96	10 x rack-96
5-051-96-0	ULR Filter-Tip 0.5-10 µl Cristal	yes	natural	rack	rack-96	10 x rack-96
5-053-96-0	ULR Filter-Tip 0.5-20 µl Cristal	yes	natural	rack	rack-96	10 x rack-96
5-114-96-0	ULR Filter-Tip 1 - 20 µl	yes	natural	rack	rack-96	10 x rack-96
5-116-96-0	ULR Filter-Tip 1 - 30 µl	yes	natural	rack	rack-96	10 x rack-96
5-111-96-0	ULR Filter-Tip 1 - 50 µl	yes	natural	rack	rack-96	10 x rack-96
5-112-96-0	ULR Filter-Tip 1 - 100 µl	yes	natural	rack	rack-96	10 x rack-96
5-113-96-0	ULR Filter-Tip 1 - 200 µl	yes	natural	rack	rack-96	10 x rack-96
5-201-96-0	ULR Filter-Tip 1000 µl long	yes	natural	rack	rack-96	10 x rack-96