

# 3.1 ULR Tips

## Ultra-Low-Retention Tips

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



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 tips. On average ULR 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-tips reduces the binding, thus increasing sample delivery accuracy. Tests demonstrates that ULR-tips significantly reduces the amount of DNA and protein bound by the tip. Furthermore AHN ULR tips offer a marked improvement over the best low retention technologies.

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

**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   |
|------------|-------------------------------|---------|---------|-----------|-----------|--------------|
| 4-000-60-0 | AHN ULR-Tip PCR 0.1-10 µl     | non     | natural | bag       | 1000      | 2 x 1000     |
| 4-000-81-0 | AHN ULR-Tip PCR 0.1-10 µl     | non     | natural | bag       | 1000      | 20 x 1000    |
| 4-000-96-0 | AHN ULR-Tip PCR 0.1-10 µl     | non     | natural | rack      | rack-96   | 10 x 96-rack |
| 4-001-60-0 | AHN ULR-Tip PCR 0.1-10 µl     | yes     | natural | bag       | 1000      | 2 x 1000     |
| 4-001-96-0 | AHN ULR-Tip PCR 0.1-10 µl     | yes     | natural | rack      | rack-96   | 10 x rack-96 |
| 4-050-60-0 | AHN ULR-Tip Cristal 0.5-20 µl | non     | natural | bag       | 1000      | 2 x 1000     |
| 4-050-81-0 | AHN ULR-Tip Cristal 0.5-20 µl | non     | natural | bag       | 1000      | 20 x 1000    |
| 4-050-96-0 | AHN ULR-Tip Cristal 0.5-20 µl | non     | natural | rack      | rack-96   | 10 x 96-rack |
| 4-051-60-0 | AHN ULR-Tip Cristal 0.5-20 µl | yes     | natural | bag       | 1000      | 2 x 1000     |
| 4-051-96-0 | AHN ULR-Tip Cristal 0.5-20 µl | yes     | natural | rack      | rack-96   | 10 x rack-96 |
| 4-110-60-0 | AHN ULR-Tip 1 - 200 µl        | non     | natural | bag       | 1000      | 2 x 1000     |
| 4-110-81-0 | AHN ULR-Tip 1 - 200 µl        | non     | natural | bag       | 1000      | 20x1000      |
| 4-110-96-0 | AHN ULR-Tip 1 - 200 µl        | non     | natural | rack      | rack-96   | 10x96-rack   |
| 4-111-60-0 | AHN ULR-Tip 1 - 200 µl        | yes     | natural | bag       | 1000      | 2 x 1000     |
| 4-111-96-0 | AHN ULR-Tip 1 - 200 µl        | yes     | natural | rack      | rack-96   | 10x96-rack   |
| 4-200-50-0 | AHN ULR-Tip 100-1000 µl long  | non     | natural | bag       | 500       | 2 x 500      |
| 4-200-80-0 | AHN ULR-Tip 100-1000 µl long  | non     | natural | bag       | 500       | 20 x 500     |
| 4-200-96-0 | AHN ULR-Tip 100-1000 µl long  | non     | natural | rack      | rack-96   | 10 x rack-96 |
| 4-201-50-0 | AHN ULR-Tip 100-1000 µl long  | yes     | natural | bag       | 500       | 2 x 500      |
| 4-201-96-0 | AHN ULR-Tip 100-1000 µl long  | yes     | natural | rack      | rack-96   | 10 x rack-96 |