Neptune™ barrier tips are tested and certified to conform to five bio-load specifications:

- No detectable nucleic acid contamination
- No detectable PCR inhibitors
- Low retention
- Racked

S^3 Low Retention Polymer Technology for Total Sample Recovery.

Exclusively form CLP!

The trend in research toward ever smaller reaction volumes has many benefits, including improved reaction kinetics, more consistent results and lower overall costs. However, low volume techniques require dispensing very small volumes of reagents with high degree of accuracy and consistency

Pipet tips produced from standard polymers will variably retain biological solutions, preventing accurate and repeatable results. Diamond polishing of the mold reduces the number of imperfections producing a smoother surface. Silicone treatment of tips further reduces retention, but can leach out and interfere with reactions, or degrade at autoclaving temperatures.

CLP was the first company to address this challenge and develop a novel polymer technology that produces a Super Slick Surface S^3 on plastics. Traditionally, small occlusions and cavities within the molded plastic resulted in significant sample loss. Our third generation S^3polymer system results in a microscopically uniform surface, which virtually eliminates sample hold-up providing the most accurate sample delivery possible. CLP's S^3 polymer combined with our advanced production process produces the most consistent low retention plastics in the industry.

Non S^3 Tip with sample hold-up CLP's S^3 tip with no hold-up

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