

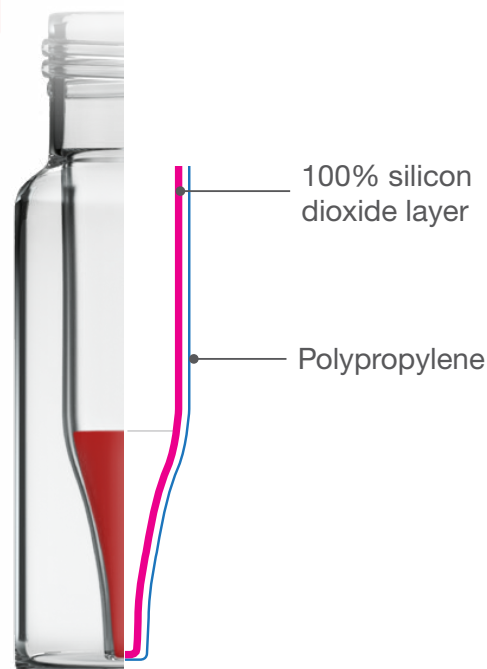
HPLC Vials

Sample loss starts at the surface— minimize non-specific binding and maximize recovery.

Did you know a significant amount of your sample could be left stuck inside your vial?

When it comes to non-specific binding (NSB), choosing the right vial is vital to helping you maximize sample recovery. You could be losing over 50% of your sample to the surface of your vial before you've even had chance to analyze it.

Thermo Scientific™ SureSTART™ GOLD-Grade Polypropylene Vials are developed as low-bind products and designed with non-specific binding (NSB) in mind. These vials have been coated with a layer of 100% silicon dioxide, providing superior chemical inertness and performance. The surface is free from anions and cations, minimizing adsorption and helping ensure that even trace-level samples are reliably recovered.



SureSTART GOLD-Grade polypropylene vials help deliver:

Superior recovery of critical compounds with an ultra-low adsorption surface—Help ensure that even trace-level analytes are analyzed

High solvent stability—Resistant to aggressive organic solvents while maintaining structural integrity

Enhanced performance for proteins and peptides—Significant recovery increase with aqueous samples due to low NSB

Stability throughout extended analysis—Maintain high recovery over extended sequences

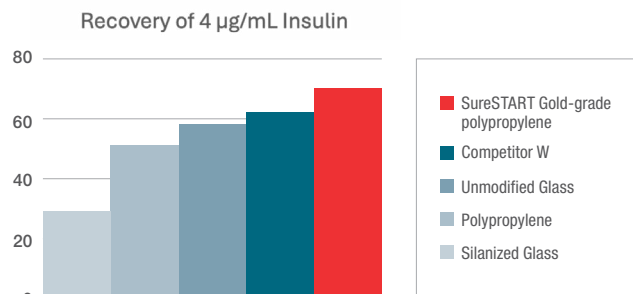


Figure 1. Recovery of 4 µg/mL insulin across different vial types

Experience the next generation of low-bind vial technology with SureSTART GOLD-Grade polypropylene vials

Insulin, a peptide hormone, is highly prone to non-specific binding on vial surfaces (as seen in Figure 1), leading to sample loss and inaccurate results.

SureSTART GOLD-Grade polypropylene vials minimize hydrophobic and surface interactions, helping to ensure reliable recovery and reproducibility for insulin and other sensitive analytes in trace-level analysis.

Ordering information for Thermo Scientific™ SureSTART™ kits, vials, and closures

Product type	Product description	Quantity	Cat. No.
SureSTART kits	Convenience kit: 0.4 mL GOLD-Grade polypropylene, clear, screw vial 9 mm short thread, with fixed conical-shaped insert—Level 3 Bonded grey screw cap, slit septa 9 mm PP: white silicone/red PTFE septa: 1.0 mm thickness—Level 3	100/pack	6PKSV9GCBS1
	Convenience kit: 0.4 mL GOLD-Grade polypropylene, clear, screw vial 9 mm short thread, with fixed conical-shaped insert Blue screw cap with Thermo Scientific™ Advanced Vial Closure System (AVCS™ technology) 9 mm PP: white silicone/red PTFE septa: 1.0 mm thickness—Level 3	100/pack	6PKSV9GCST1
	Convenience kit: 0.4 mL GOLD-Grade polypropylene, clear, screw vial 9 mm short thread, with fixed conical-shaped insert—Level 3 Blue screw cap, slit septa with AVCS 9 mm PP: white silicone/blue PTFE septa: 1.0 mm thickness—Level 3	100/pack	6PKSV9GCSTS1
SureSTART vials	0.4 mL GOLD-Grade polypropylene, clear, screw vial 9 mm short thread, with fixed conical-shaped insert—Level 3	100/pack	6PSV9-04GPP
	0.8 mL GOLD-Grade polypropylene, clear, snap vial 11 mm, with fixed conical-shaped insert—Level 3	100/pack	6PRV11-08GPPC
	0.3 mL GOLD-Grade polypropylene, clear, snap vial 11 mm, with fixed conical-shaped insert—Level 3	100/pack	6PRV11-03GPPC
SureSTART caps	Blue screw cap with AVCS 9 mm PP: white silicone/red PTFE septa: 1.0 mm thickness—Level 3	100/pack	6PSC9ST1
	Bonded grey screw cap, slit septa 9 mm PP: white silicone/red PTFE septa: 1.0 mm thickness—Level 3	100/pack	6PSC9STBS1
	Blue screw cap, slit septa with AVCS 9 mm PP: white silicone/blue PTFE septa: 1.0 mm thickness—Level 3	100/pack	6PSC9STS1
	Blue snap cap 11 mm PE: white silicone/red PTFE septa: 1.3 mm thickness—Level 3	100/pack	6PRC11ST1

Learn more at thermofisher.com/surestart