

Thermo Scientific National and Chromacol SureStop Vials

SureStop Vials Features:

- Provide a consistent seal independent of user, or the amount of torque applied when closing vial
- Provide optimal septum compression across the opening of the vial
- The SureStop vial's cap leveling function assures that the closure settles straight and level on every vial eliminating weak spots in sealing and autosampler stalls due to mishandled vials
- As a result of AVCS, when used with our C5000 or K-Series closure, SureStop vials become the best sealing, most dependable vial/closure on the market
- Vial designed for use with nearly every autosampler on the market
- When compared to other 2mL vials, SureStop vials yield the lowest loss to evaporation and the lowest standard deviation in evaporation studies.

"Just one more turn."

That has been the chromatographer's answer to the age-old question of how tight to seal their chromatography autosampler screw thread vial closure. Unfortunately, for a lot of chromatographers, this answer has resulted in a myriad of chromatographic problems. Truth be told, "Just one more turn" is more than likely the absolute worst thing that one can do to seal an autosampler vial.

Thermo Scientific™ National™ SureStop™ and Thermo Scientific™ Chromacol™ SureStop™ vials are designed as part of the Advanced Vial Closure System (AVCS), and remove any subjectivity around achieving the optimal compression when sealing a vial. As an integral component of AVCS technology, SureStop vials offer the sealing and performance characteristics of a crimp top vial and the versatility properties of a threaded vial. This is achieved by incorporating a definite stop point into the design of the vial finish, preventing over tightening of the closure. SureStop vials remove all doubts

about the degree of tightening necessary for optimal sealing.

The SureStop vial's cap leveling function eliminates one of the major causes of random autosampler stalls by assuring that the closure settles straight and level on every vial eliminating weak spots in sealing and "dropped" vials due to poor cap alignment. Perfect alignment of the vial and cap surfaces means fewer mishandled vials leading to more completed runs.

What does SureStop technology mean for your laboratory? It means confidence that your sample is secure. Analytical consistency will improve, as a result of the elimination of evaporation differences between samples. When consistency improves, data quality improves and SureStop vials become the most trusted chromatography consumable in your lab.

For more detailed technical information please order the tech note for AVCS closures and SureStop vials.



SureStop Vial,
self aligning cap



Generic Vial,
cap tilt



Generic Vial,
septum
dislodged



Generic Vial,
deformed top

