

SureSTART Vial Quick Select Guide

For every LC/GC application and budget

Choosing your vials and inserts

The chart below provides a quick guide to selecting the right Thermo Scientific™ SureSTART™ vial and insert material for your experimental and application requirements.

Performance		Sample volume			
Non-MS	MS	Compound levels at relatively low levels	Compound levels near method detection limit or for research analysis	Not sample limited	Volumes vary
↓	↓	↓	↓	↓	↓
SureSTART Performance level 1	SureSTART Performance level 2	SureSTART Performance level 3	2 mL vial	High recovery vial	Polyspring insert (self-aligning)
General purpose: chromatography approved	High-throughput: for applications requiring robust and reproducible results	High performance: for applications requiring high selectivity and sensitivity	SureSTART Performance level 1, 2 and 3	Total recovery vial	Pulled insert (economic choice)
				SureSTART Performance level 3	Fused insert vial 2 mL vial with separate inserts
					SureSTART Performance level 2 and 3

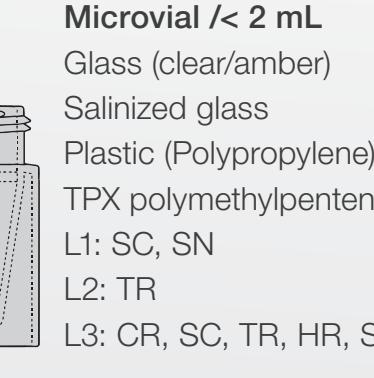
Compound polarity		Compound volatility		Compound stability	
Non-polar	Mid-polar	Polar	Highly polar	Volatile	Non-volatile
↓	↓	↓	↓	↓	↓
Glass vials	***GOLD-grade glass	***Silanized glass vials	Crimp top vial	Screw thread vial	Clear vials
SureSTART Performance level 1, 2 and 3	****Polypropylene (PP) vials	GOLD-grade glass vials and inserts	***Thermo Scientific SureStop vial	Snap thread vial	Amber vials
When low levels of inorganic are required and for solvent stability	When low levels of inorganic are required and for solvent stability	SureSTART Performance level 1 (PP), 2 and 3 (silanized)	Headspace vials		

**These products can be found in SureSTART Performance level 3

***Not recommended for GC applications

Vial selection

In this section, you can easily compare and match your vials and inserts by material and type with the illustrations* below. Our SureSTART vials are available in packs of 100, 1,000, and 5,000. We offer various kit options, including HPLC/GC, PFAS, MSCERT, MSCERT+, TOC, SPEC.CERT, and EPA. Scan the QR code to explore the full SureSTART vial selection and to learn more about our chromatography products.



Standard and micro vials

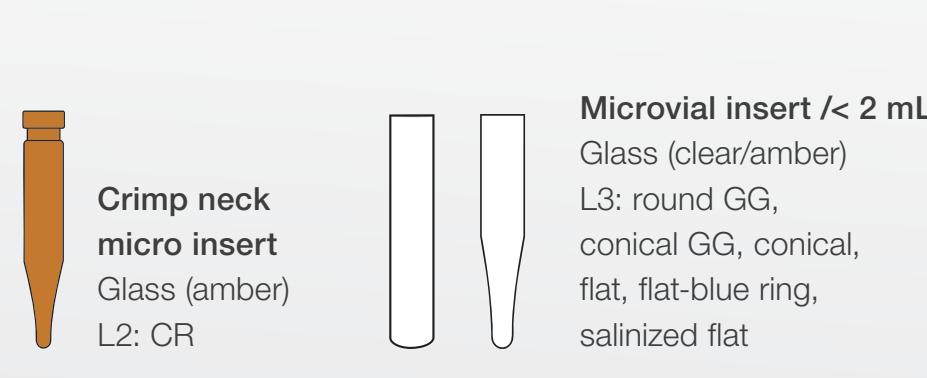


LEGEND

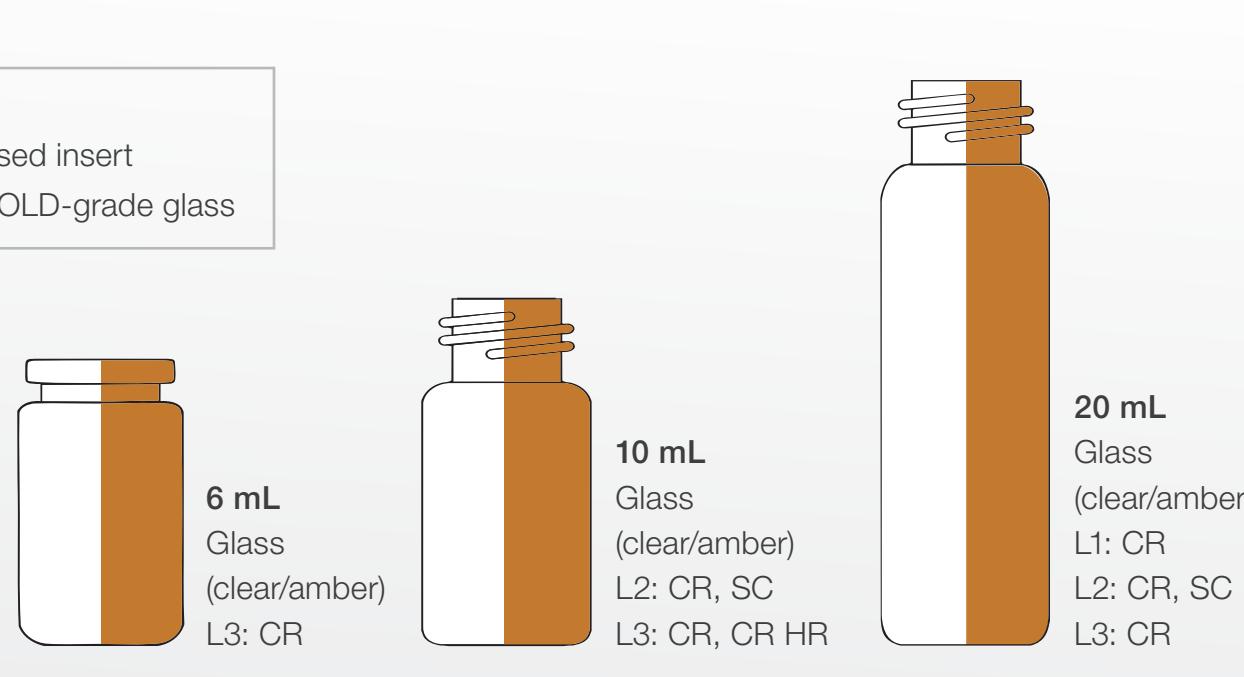
SC = Screw top
CR = Crimp top
SN = Snap top
TR = Total recovery
HR = High recovery
ST = SureSTOP
FT = Fused insert
GG = GOLD-grade glass



Vial inserts



Headspace vials



EPA certified vials

* The vial illustrations are as close to their actual size as possible. There may be slight discrepancies due to the printing. Please contact your local sales representative for any questions concerning vial size.
** Dimensions of the vials will vary slightly in size based on the neck option (i.e. crimp vs screw). The vial illustrations are only showing one type of neck design for reference as there are other options available.

Learn more at thermofisher.com/surestart