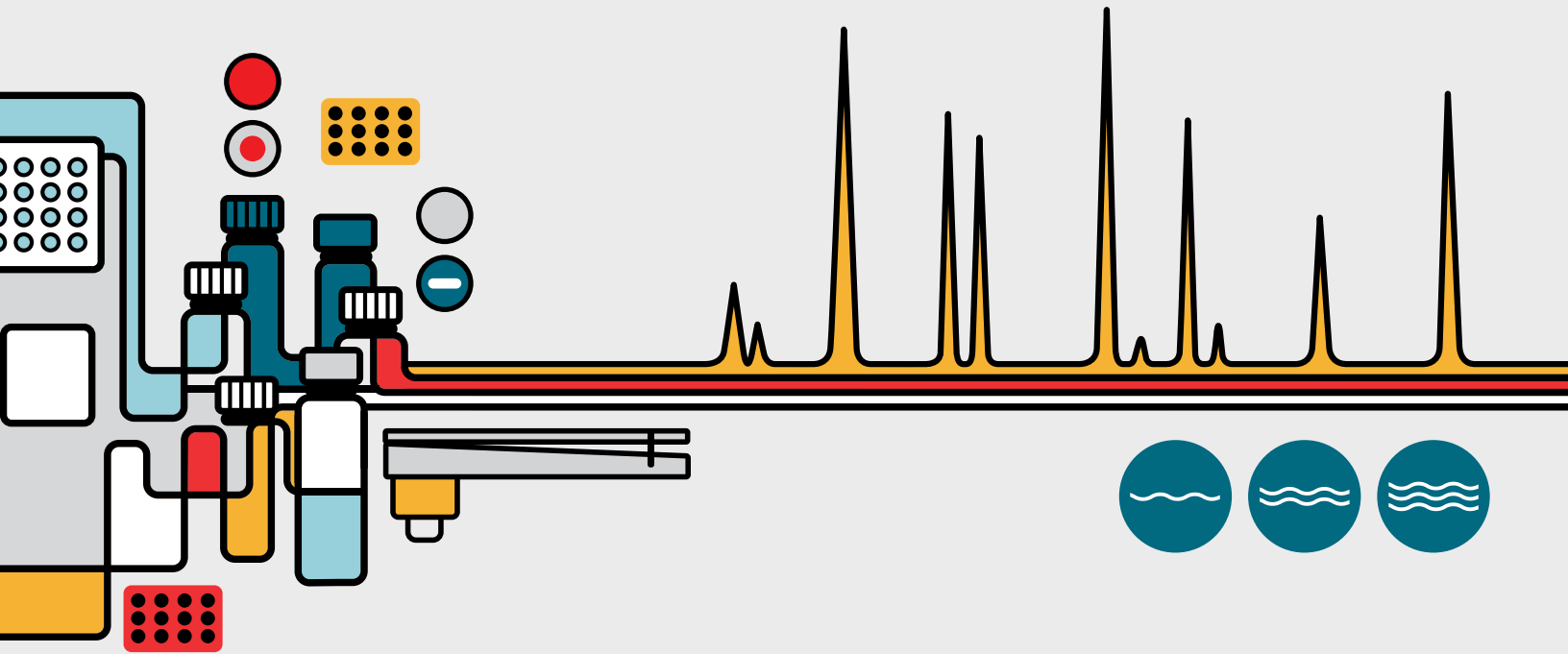


Certified vials and cap kits



SureSTART collection

Certified vials and closure kits

Maintaining sample integrity before, during and after your analysis is key to the detection of your analytes. The surface of the container you choose to store your sample in can greatly impact your analysis as some analytes can be lost due to adsorption and unanticipated contaminants that can leech into your sample.

Our market-leading portfolio of high-quality certified kits can ensure the cleanliness, security and integrity of your most valuable samples letting you have the highest level of confidence in your critical results.

Vial and cap kits: Three levels of certification

With three levels of certification available for our Thermo Scientific™ SureSTART™ vial and cap kits, we can help every customer meet their certification and documentation needs. Whether you

are running applications that require trace levels of detection or require certificates of analysis for the products used in your workflow, our SureSTART certified kits have you covered.

1. Specification certified kits

Recommended for everyday analysis

All SureSTART products are certified to meet physical parameter specifications as part of our manufacturing process.

2. LC/GC certified kits

Certified vials for chromatographic analyses

- Tested and certified for up to 15 critical physical specifications to ensure that the vials and caps do not cause any technical/performance issues.
- Tested and certified using LC-UV and GC-FID to ensure that there are no residual manufacturing agents present in the vial that could result in spurious chromatographic peaks to be present, which could interfere with your results.
- A certificate is provided with each kit.



3. MSCERT kits

Recommended for use with mass spectrometry systems

Our mass spec certified vials carry our highest level of certification. These products are tested by LC-MS and GC-MS for low contamination. Both MSCERT and MSCERT+ products are only sold as a kit to guarantee product cleanliness. Customers receive the certification in the vial kit box.

MSCERT kits: certified high-performance kits for use with routine mass spectrometry analyses

- Tested and certified for up to 15 critical physical specifications to ensure that the vials and caps do not cause any technical/performance issues.
- Tested and certified for low background using LC-MS and GC-MS for your most for your most challenging, sensitive applications, to ensure that there are no extractables, leachables or residual manufacturing agents present in the vial that could result in spurious chromatographic peaks to be present, which might affect your results.
- Recommended for low adsorption.
- A certificate is provided with each kit.



MSCERT+ kits: certified high-performance kits for use with mass spectrometry (for research applications)—with an additional level of security

- In addition to all the tests that the MSCERT kits are tested for, the MSCERT+ is pre-cleaned to provide the lowest ion content and particulate levels in the vial to protect sample integrity; guaranteeing there is no dirt or dust from the manufacturing present which might clog up your GC or LC column and affect column lifetime and system performance. Highly recommended for direct injection analysis (DIA).
- Having issues with contamination when your samples are clean? This vial is recommended to help reduce instrument service costs compared to other vials in the marketplace.

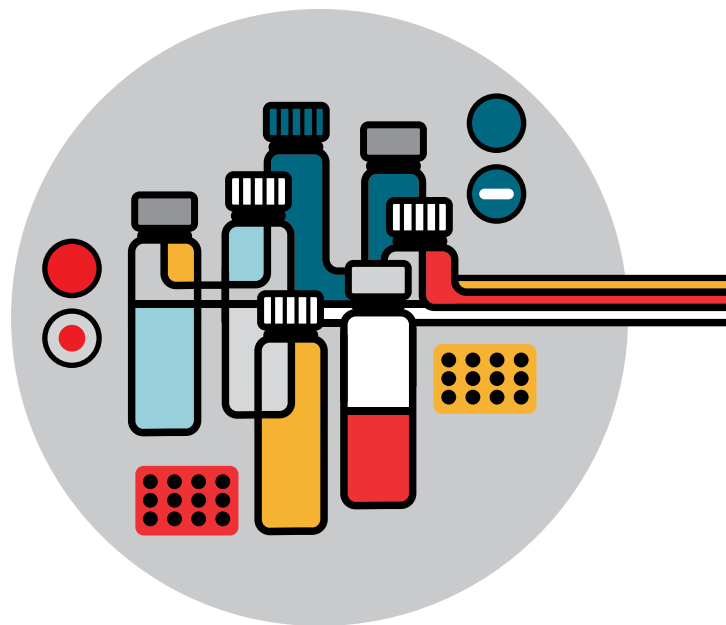


Certified integrity and consistency

With over 40 years of experience supplying vial and well plates, Thermo Scientific SureSTART certified products are supplied to meet 'critical to quality' specifications, consistently. Thermo Scientific SureSTART products are produced in compliance with ISO 9001 requirements.

In addition, Thermo Scientific SureSTART certified products include:

- Innovative products, such as the Thermo Scientific™ SureStop™ vial and Thermo Scientific™ AVCS™ (Advanced Vial Closure Systems) technology that are designed to minimize sample evaporation
- Glass vials made from First Hydrolytic Type 1 borosilicate glass, which conforms to US FDA, USP, and EU Pharmacopeia standards
- In-line opto-electronic testing inspects 100% of key dimensions
- Packaged materials that have been tested and selected for cleanliness
- Subjected to rigorous end-of-line sampling and quality control procedures to ensure all vials remain within specification
- Glass vials come with a write-on patch
- Typically packed in a clean environment
- Glass vials are available which are deactivate/silanized



Learn more at thermofisher.com/surestart

thermo scientific