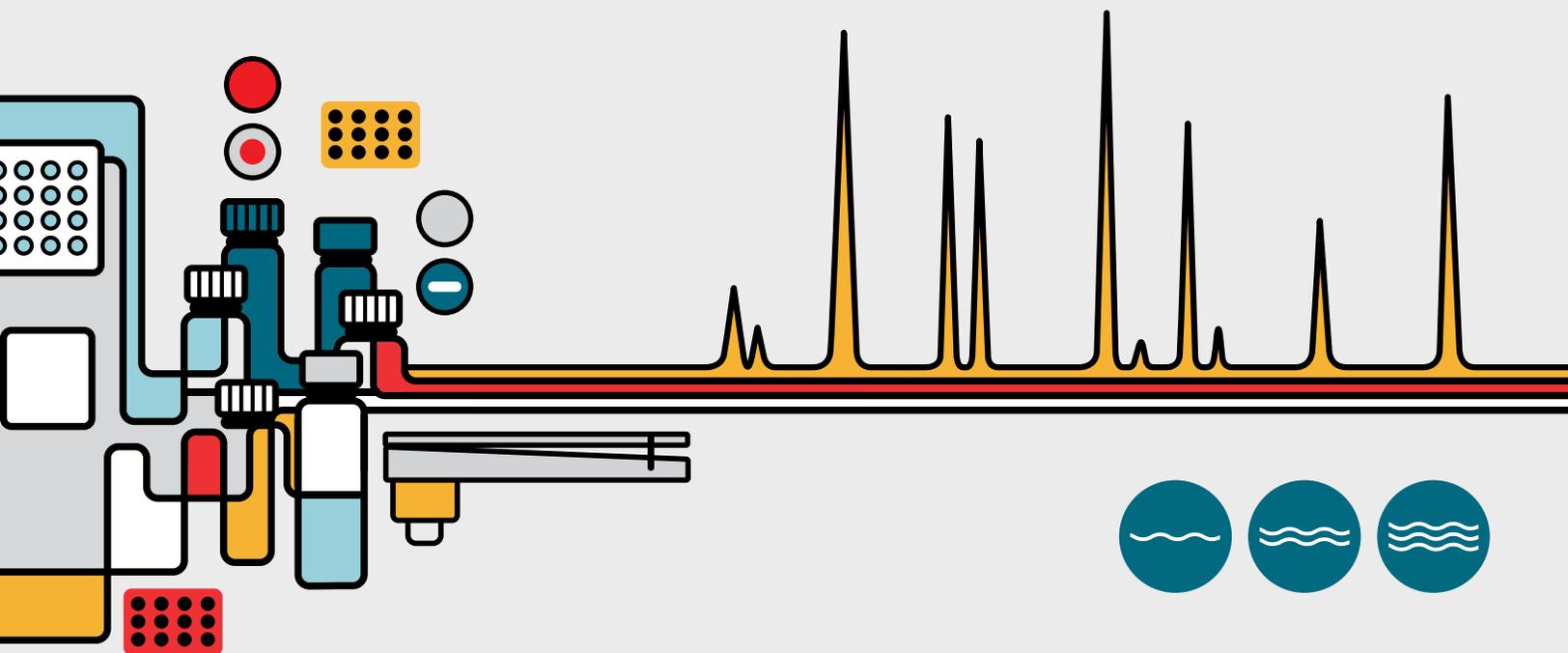


Compatibility



SureSTART collection

Instrument and autosampler compatibility

The Thermo Scientific™ SureSTART™ vial, cap, insert, well plate and mat collection contains a range of vials that are recommended for all-on and integrated autosamplers used with GC and HPLC/UHPLC chromatography systems on the marketplace.

Our products are tested to the highest levels in the industry, so you can be assured your analysis will start the right way and will deliver streamlined performance, with the high-quality results you expect.



Performance level 1: Everyday analysis

Chromatography approved

Meet your chromatographic needs

Choose the right vial for your chromatographic analyses. Our SureSTART Performance level 1 provides cost optimized products suitable for all GC and HPLC/UHPLC instrument types, and are quality tested to deliver the performance, sample security, reproducibility you need for everyday analyses.

Achieve your results with our accessible range of vials and caps. If you are verifying compound presence and quantification using detection techniques such as UV/Vis, PDA, RI, ELSD and FLD, our Performance level 1 products are the perfect solution for you—select the products with the one wave.



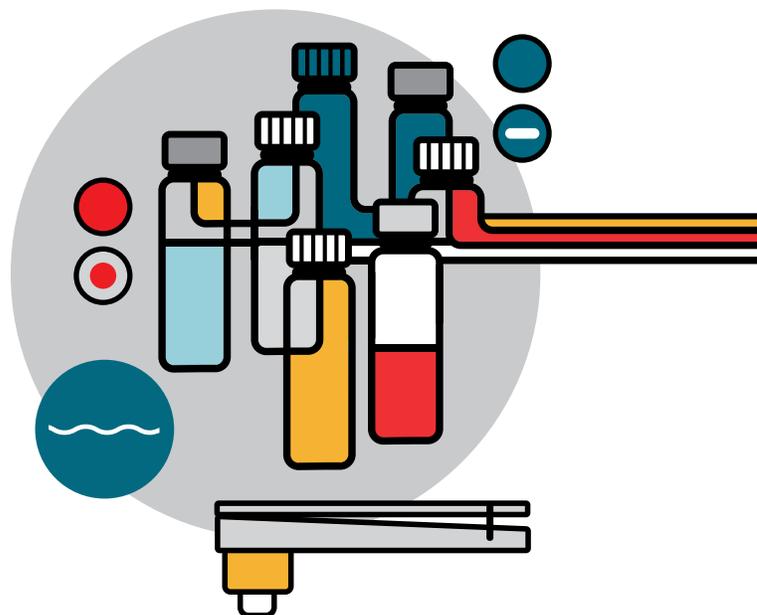
| Product type | Product description | 100/Pack | 10 x 100/Pack | 50 x 100/Pack |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|---------------|
| Screw vials | 2 mL clear screw glass vial (9 mm short thread) with write-on patch | 17324143 | 17344143 | 17334143 |
| | 2 mL amber screw glass vial (9 mm short thread) with write-on patch | 17354143 | 17374143 | 17364143 |
| | 1.5 mL clear screw PP vial (9 mm short thread) | 17303923 | 17323923 | 17313923 |
| | 0.4 mL clear screw PP vial with fixed conical insert (9 mm short thread) | 17373913 | 17393913 | 17383913 |
| Screw caps | Blue screw cap (9 mm) (PP: white silicone/blue PTFE septa: 1.0 mm thickness) with Thermo Scientific™ AVCS™* technology | 17304133 | 17324133 | 17314133 |
| | Bonded blue screw cap (9 mm) (PP: white silicone/white PTFE septa: 1.0 mm thickness)—pre-slit | 17354133 | 17374133 | 17364133 |
| Crimp vial | 2 mL clear crimp glass vial (11 mm thread: wide opening) with write-on patch | 17354113 | 17374113 | 17364113 |
| | 2 mL amber crimp glass vial (11 mm thread: wide opening) with write-on patch | 17384113 | 17304123 | 17394113 |
| Crimp cap | Silver crimp cap (11 mm) (Aluminum: natural rubber/clear TEF septa, 60 Shore: 1.0 mm thickness) | 17374093 | 17394093 | 17384093 |
| | Silver crimp cap (11 mm) (Aluminum with white silicone/red PTFE septa, 45 Shore: 1.3 mm thickness) | 17304103 | 17324103 | 17314103 |

*AVCS: advanced vial closure system

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Performance level 2: High-throughput analysis

When robustness and reproducibility are key

Ensure compliance for your high-throughput samples in regulated environments

Get the performance you need for high throughput analysis to deliver high quality GC and HPLC/UHPLC data with an uninterrupted workflow. Our Performance level 2 range has very low metal content and extractables and leachables, so that you have the assurance that each product conforms to the same high levels of standards that you are working with to meet to your regulatory requirements

our Performance level 2 products are here for you—select the products with the two waves.

Not what you are looking for? View more products in this performance level at eu.fishersci.com/go/surestart2

If you need products that support routine analyses, using technologies such as single or triple quadrupole MS systems,



| Product type | Product description | 100/Pack | 10 × 100/Pack | 50 × 100/Pack |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|---------------|
| Screw kits | 2 mL clear screw glass vial (9 mm short thread) with write-on patch Blue screw cap (9 mm) (PP: white silicone/red PTFE septa: 1 mm thickness) with AVCS technology | 17303833 | — | — |
| | 2 mL amber screw glass vial (9 mm short thread) with write-on patch Blue screw cap (9 mm) (PP: white silicone/red PTFE septa: 1 mm thickness) with AVCS technology | 17323833 | — | — |
| | 2 mL clear screw glass vial (9 mm short thread) with Thermo Scientific™ SureStop™ technology and write-on patch Blue screw cap (9 mm) (PP: white silicone/red PTFE septa: 1 mm thickness) with AVCS technology | 17313823 | — | — |
| | 2 mL amber screw glass vial (9 mm short thread) with SureStop technology and write-on patch Blue screw cap (9 mm) (PP: white silicone/red PTFE septa: 1 mm thickness) with AVCS technology | 17323823 | — | — |
| | 2 mL clear screw glass vial (9 mm short thread) with write-on patch | 17343893 | 17363893 | 17353893 |
| | 2 mL amber screw glass vial (9 mm short thread) with write-on patch | 17373893 | 17393893 | 17383893 |
| Screw vials | 2 mL amber screw silanized glass vial (9 mm short thread) with write-on patch | 17303903 | — | — |
| | 1.7 mL clear screw glass vial (9 mm short thread), (inner V-bottom) with write-on patch | 17313903 | 17333903 | 17323903 |
| | Red screw cap (9 mm) (PP: white silicone/red PTFE septa: 1.0 mm thickness) with AVCS technology | 17303873 | 17323873 | 17313873 |
| Screw caps | Blue screw cap (9 mm) (PP: white silicone/blue PTFE septa: 1.0 mm thickness) with AVCS technology | 17383863 | 17333873 | 17393863 |
| | Blue screw cap (9 mm) (PP: red silicone/ivory PTFE septa: 1.0 mm thickness) with AVCS technology | 17323863 | 17373863 | 17333863 |
| | Bonded blue screw cap (9 mm) (PP: white silicone/beige PTFE septa: 1.0 mm thickness)—pre-slit | 17373873 | 17393873 | 17383873 |
| | 2 mL clear snap glass vial (11 mm thread: wide opening) with write-on patch | 17353853 | 17373853 | 17363853 |
| Snap vials | 2 mL amber snap glass vial (11 mm thread: wide opening) with write-on patch | 17383853 | 17303863 | 17393853 |
| | Red snap cap (11 mm) (PE: red silicone/clear PTFE septa: 1.0 mm thickness) | 17313853 | 17333853 | 17323853 |
| Snap caps | Blue snap cap (11 mm) (PE: white silicone/red PTFE septa: 1.0 mm thickness) | 17393843 | 17343853 | 17303853 |



Performance level 3: High performance

When sensitivity is a must

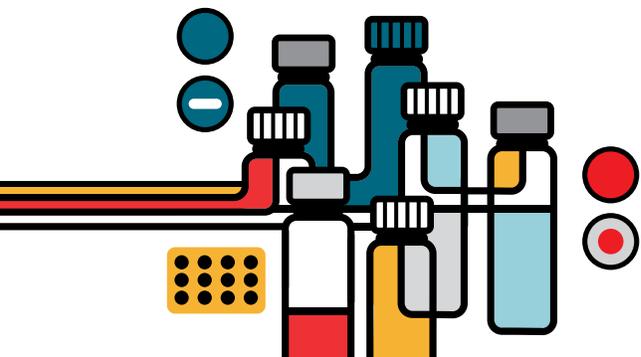
Protect your most valuable samples and deliver consistent, reproducible results for your most demanding analyses

Our SureSTART Performance level 3 products are packed in clean rooms to protect them against environmental factors, reduce low compound adsorption effects at trace levels, and contain the lowest amounts/levels of metals, extractables and leachables; ensuring that you can get the sensitivity and selectivity from your most challenging analytes confidently and consistently.

If you are looking for the ultimate performance from your methods for your challenging analytes, and are using accurate MS technologies, such as a high-resolution/accurate-mass (HRAM) Thermo Scientific™ Orbitrap™ mass spectrometer, and want to maintain the highest levels of sample security and integrity, our Performance level 3 products will meet your needs—select the products with the three waves.



| Product type | Product description | 100/Pack | 10 × 100/Pack | 50 × 100/Pack |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|---------------|
| Kits | Certified kit: 2 mL clear screw glass vial (9 mm short thread) with SureStop technology and write-on patch Blue screw cap (9 mm) (PP: white silicone/red PTFE septa: 1 mm thickness) with AVCS technology | 17303943 | — | — |
| | Certified kit: 2 mL amber screw glass vial (9 mm short thread) with SureStop technology and write-on patch Blue screw cap (9 mm) (PP: white silicone/blue PTFE septa: 1 mm thickness)—pre-slit, with AVCS technology | 17393933 | — | — |
| | MSCERT: 2 mL clear screw glass vial (9 mm short thread) with SureStop technology and patch Blue screw cap (9 mm) (PP: blue silicone/clear PTFE septa: 1 mm thickness) with AVCS technology | 17373993 | — | — |
| | MSCERT: 2 mL amber screw glass vial (9 mm short thread) with SureStop technology and write-on patch Blue screw cap (9 mm) (PP: blue silicone/clear PTFE septa: 1 mm thickness) with AVCS technology | 17383993 | — | — |
| | MSCERT+ kit: 2 mL clear screw glass vial (9 mm short thread) with SureStop technology and write-on patch Blue screw cap (9 mm) (PP: blue silicone/clear PTFE septa: 1 mm thickness)—pre-slit, with AVCS technology | 17373973 | — | — |
| | MSCERT+ kit: 2 mL amber screw glass vial (9 mm short thread) with SureStop technology and write-on patch Blue screw cap (9 mm) (PP: blue silicone/clear PTFE septa: 1 mm thickness)—pre-slit, with AVCS technology | 17383973 | — | — |
| | MSCERT+ kit: 0.2 mL clear screw glass vial (9 mm short thread) with fixed insert and write-on patch | 17353973 | — | — |
| | Bonded grey screw cap (9 mm) (PP: clear silicone/clear PTFE septa: 1 mm thickness)—pre-slit | 17353973 | — | — |



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Performance level 3: High performance

Continued

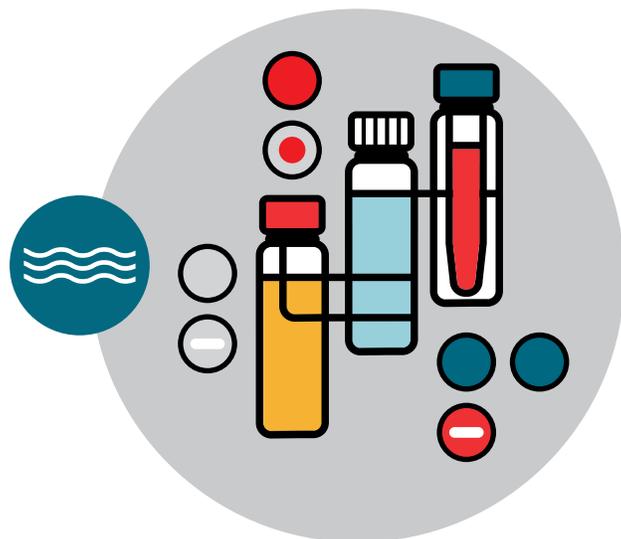


| Product type | Product description | 100/Pack | 10 x 100/Pack | 50 x 100/Pack |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------|---------------|
| Screw vials | 2 mL clear screw glass vial (9 mm short thread) with SureStop technology and write-on patch | 17304083 | 17324083 | 17314083 |
| | 2 mL amber screw glass vial (9 mm short thread), with SureStop technology and write-on patch | 17344083 | 17364083 | 17354083 |
| | 2 mL clear screw glass vial (9 mm short thread) with SureStop technology and GOLD-grade glass, and write-on patch | 17374073 | 17394073 | 17384073 |
| | 1.7 mL clear screw glass vial (9 mm short thread), High Recovery (V-bottom) with write-on patch | 17314093 | 17334093 | 17324093 |
| | 0.3 mL clear screw glass vial with fixed insert (9 mm short thread), with write-on patch | 17324073 | 17344073 | 17334073 |
| | 0.3 mL amber screw glass vial with fixed insert (9 mm short thread), with write-on patch | 17394063 | 17314073 | 17304073 |
| | Screw caps | Red screw cap (9 mm) (PP: white silicone/blue PTFE septa: 1.0 mm thickness) with AVCS technology | 17374043 | 17394043 |
| Blue screw cap (9 mm) (PP: blue silicone/clear PTFE soft septa: 1.0 mm thickness)—pre-slit, with AVCS technology | | 17334043 | 17304053 | 17364043 |
| Blue screw cap (9 mm) (PP: red PTFE/white silicone/red PTFE septa, 1.0 mm thickness) with AVCS technology | | 17334063 | 17384063 | 17344063 |
| Blue screw cap (9 mm) (PP: blue silicone/clear PTFE soft septa: 1.0 mm thickness)—pre-slit, with AVCS technology | | 17354043 | — | — |
| Blue screw cap (9 mm) (PP: blue silicone/clear PTFE soft septa: 1.0 mm thickness) with AVCS technology | | 17344043 | — | — |
| Blue screw cap (9 mm) (PP: white silicone/blue PTFE septa: 1.0 mm thickness)—pre-slit, with AVCS technology | | 17374053 | 17324063 | 17384053 |
| Bonded grey screw cap (9 mm) (PP: white silicone/red PTFE septa: 1.0 mm thickness)—pre-slit | | 17344053 | 17364053 | 17354053 |
| Inserts | | 0.3 mL clear conical glass insert, with PE Thermo Scientific™ Polyspring™ insert | 17303983 | 17323983 |
| | 0.4 mL clear conical glass insert, with pulled point | 17363983 | 17383983 | 17373983 |
| | 0.2 mL clear conical glass insert, with GOLD-grade glass | 17393973 | — | — |
| | 0.2 mL clear conical glass insert, with PE Polyspring insert (deactivated/silanized glass) | 17333983 | 17353983 | 17343983 |

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Instrument compatibility

A wide variety of innovative autosampler well plate options—solutions for every need

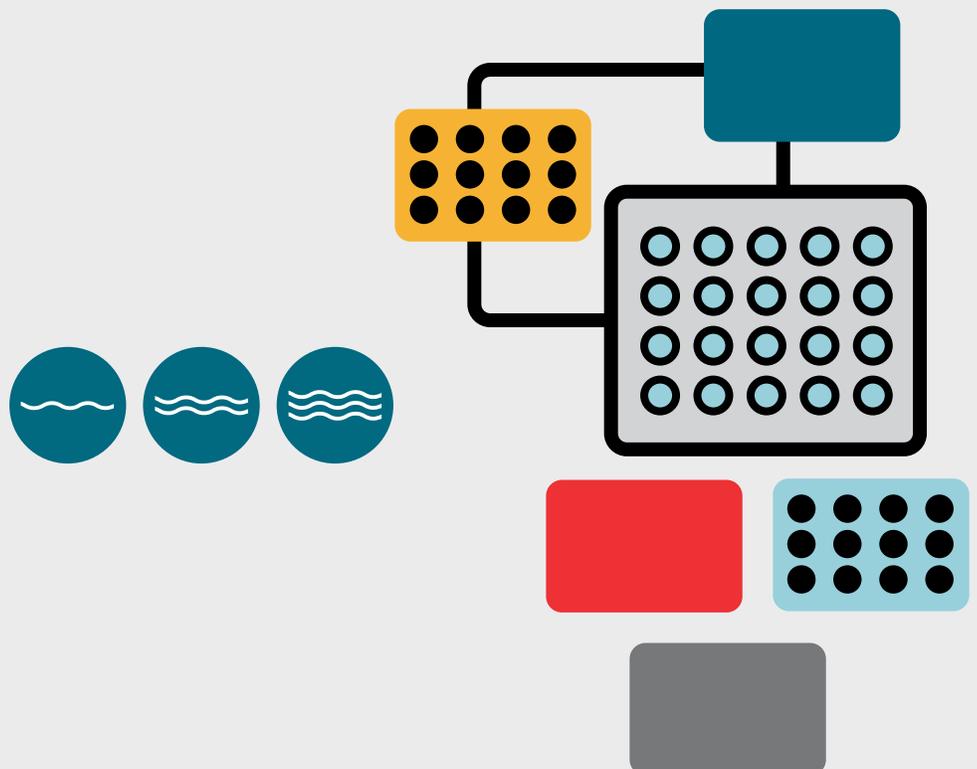
Thermo Scientific™ WebSeal™ well plates are designed for today's chromatographers using well plate-compatible autosamplers. Rest assured, you will get all the advantages of sample handling using plates, along with the security of achieving reliable results and our decades of experience as the market leader in sample containers for chromatography.

The benefits of well plates include:

- Offer easier and quicker filling and sealing process using multi-channel pipetting tools
- Inert surface that protect sample integrity when using organic solvents
- Soft pierceable closures that support reliable needle injection and resealing
- Saves time and space compared with the same amount of vials
- Afford efficient transport of many samples in a single plate

Our WebSeal well plates are designed for the chromatography systems and:

- Tested for chromatography applications
- **ANSI SLAS 4-2004** compliant, for robot compatible systems, prep stations and autosamplers
- Product collection contains a broad selection of 96- and 384-well sample plates for use in autosamplers including polypropylene, glass coated and a selection suitable for use with glass vials
- A wide range of options are available to fit the specific requirements of your application





Performance level 1: Everyday analysis

| Product type | Product description | Cat. no. |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Well plates | WebSeal 96-well non-coated plastic microplates 96-non-coated, non-sterile propylene well plate. Square well, V-shape bottom. Total volume: 2000 µL. Height: 44 mm. Pack of 50 | 15192699 |
| | WebSeal 96-well non-coated plastic well plates 96 Well Plates, round well, U-shape bottom, 8 mm. Total volume: 1100 µL. Height: 26.5 mm. Pack of 50 | 15836261 |
| | WebSeal 96-well non-coated plastic microplates 96 Well Plates, round well, U-shape bottom, 8 mm. Total volume: 2000 µL. Height: 44 mm. Pack of 50 | 17493193 |
| | WebSeal non-sterile mats WebSeal 96-well plate mat (solvent resistant), large penetration area. Material: silicone/PTFE. Round, domed base. Pack of 50 | 15102719 |
| Mats | WebSeal non-sterile mats WebSeal 96-well plate mat, large penetration area. Material: clear silicone. Square well, 8 mm. Pack of 5 | 15172739 |
| | WebSeal non-sterile mats WebSeal 96-well plate mat, large penetration area. Material: Clear silicone. Square well, 8 mm. Flat Base with Cross. Pack of 50 | 15816261 |
| Sealing tape | WebSeal non-sterile sealing tapes Clear sealing tape with 3 layer no adhesive at cavity area. Material: PET, silicone. Plate compatibility: all. Pack of 100 | 15162719 |

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Performance level 2: High-throughput analysis

| Product type | Product description | Cat. no. |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Well plates | WebSeal non-coated plastic well plates. Certified. 96-well non-coated plastic microplates. Standard, 7 mm, U-shape bottom. Total volume 1200 µL. Height: 41.6 mm. Pack of 50 | 15152729 |
| | WebSeal well plates, barcoded for Thermo Scientific™ Vanquish™ UHPLC systems 96-well non-sterile, non-coated plastic microplates. Standard, 7 mm, Round well, barcoded. Total volume: 220 µL. Height: 14.7 mm. Pack of 100 | 15866261 |
| | WebSeal non-coated plastic well plates. Certified. 96-well non-coated plastic microplates. Standard, 7 mm, V-shape bottom. Total volume 220 µL. Height: 14.7 mm. Pack of 100 | 15132729 |
| | WebSeal non-coated plastic well plates. Certified. 96-well non-coated plastic microplates. Standard, 7 mm, V-shape bottom. Total volume 2000 µL. Height: 44.4 mm. Pack of 50 | 15172729 |
| Mats | WebSeal non-sterile mats 96-well plate WebSeal mat (solvent resistant). Material: silicone/PTFE round well, flat base. Pack of 5 | 15122749 |
| | WebSeal non-sterile mats WebSeal 96-well plate mat, large penetration area. Material: clear silicone. Round well, 7 mm, pre-slit. Pack of 5 | 15152739 |
| | WebSeal non-sterile mats WebSeal 96-well plate mat (solvent resistant), large penetration area. Material: silicone/PTFE. Square well, 7 mm. Pack of 5 | 15162749 |

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Performance level 3: High performance

| Product type | Product description | Cat. no. |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Well plates | Thermo Scientific™ WebSeal™ Plate+ glass coated plastic well plates, 2nd generation 384-well glass coated PP microplate, square-rounded 8 mm diameter, U-shape bottom. Total volume: 252 µL. Height: 22 mm. Pack of 6 | 16446449 |
| | WebSeal Plate+ glass coated plastic well plates, 2nd generation 96-deep-well glass coated PP microplate, round 7 mm diameter, U-shape bottom. Total volume: 1200 µL. Height: 41.5 mm. Pack of 10 | 16469375 |
| | WebSeal Plate+ glass coated plastic well plates, 2nd generation 96-well glass coated PP microplate, round 7 mm diameter, U-shape bottom. Total volume: 270 µL. Height: 14.6 mm. Pack of 10 | 16459375 |
| | WebSeal Plate+ glass coated plastic well plates, 2nd generation 384-well glass coated PP microplate, square-rounded 8 mm diameter, U-shape bottom. Total volume: 145 µL. Height: 14.4 mm. Pack of 10 | 16489375 |
| Well plate kits with sealing mats | WebSeal 96-well plate kits with sealing mats 96 deep well plate (glass inserted plate kit) with 96-position sealing mat (vial: 60180-V106; mat: 60180-M153, silicone/PTFE), round 7 mm diameter. Total volume: 1500 µL. Height 64.5 mm. Pack of 5 | 15182769 |
| | WebSeal 96-well plate kits with sealing mats 96 deep well plate (glass inserted plate kit) small volume microplate with sealing mat and cutting tool (vial: 60180-V101; mat: 60180-M151, silicone/PTFE). Total volume: 700 µL. Height 44 mm. Pack of 5 | 15142769 |
| Kit accessories | WebSeal 96 well mats for use with WebSeal kits Material: silicone, PTFE Plate compatibility: WebSeal glass inserted 96-well plates (60180-K104, 60180-106). Pack of 5 | 15112789 |
| | WebSeal 96 well mats for use with WebSeal kits Material: silicone, PTFE Plate compatibility: WebSeal glass inserted 96-well plates (60180-K100, 60180-101, 60180-103) Pack of 5 | 15192779 |

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