

thermoscientific



Critical environment products

Where clean is critical—every container, every time

ThermoFisher
SCIENTIFIC



The only thing in your container is what you add

Clean process products for critical environments

Working within a critical environment such as a clean room necessitates high-quality materials and equipment since contamination can quickly spell disaster for what are typically exceedingly sensitive applications. It is therefore essential that products used in your critical environments, such as plastic bottles, vials, carboys, caps, and other materials, conform to the necessary standards of cleanliness.

Processed at our
ISO 9001:2008–
certified facility.

Low particulate containers

Nalgene Certified Platinum Clean HDPE Bottles and Carboys

Thermo Scientific™ Nalgene™ Certified Platinum Clean HDPE Bottles and Carboys provide ready-to-use sizes from 30 mL vials through 33 L carboys, available and validated to meet <1/3 the allowable particulate limits according to USP <788>. The containers are double heat-sealed and placed into twist-tied, plastic carton liners in robust, double-walled cartons. The sterility assurance level (SAL) and endotoxin levels of these containers are validated to 10⁻⁶ and <0.25 EU/mL, respectively.

- Validated to lower than 1/3 the allowable USP <788> particulate limits
- Containers and closures cleaned in proprietary HEPA-filtered washing and drying equipment
- Clean-packaged in superior packaging in Class 10 (ISO Class 4) HEPA-filtered workstations inside our Class 100 (ISO Class 5) clean room
- Sterile and low endotoxin
- Virgin resin materials
- Other container sizes and materials that meet and exceed USP <788> requirements are available as custom options by contacting your sales representative



Applications

- For bulk and intermediate storage in clean room or controlled environments
- For use with pharmaceutical, bioproduction, and other sensitive applications

Ordering information

Cat. No.	Volume	Width/O.D., mm (in.)	Height with closure, mm (in.)	Closure size	Closure material	No. per pk/case
Narrow-mouth bottles						
CE-E2099-0001	30 mL (1 oz)	34.3 (1.35)	61 (2.40)	20-415	Natural polypropylene	12/72
CE-N2099-0008	250 mL (8 oz)	61 (2.40)	133 (5.22)	24-415		12/72
CE-N2099-0016	500 mL (16 oz)	72.6 (2.86)	170.4 (6.71)	28-415		12/48
CE-N2099-0032	1 L (32 oz)	91.4 (3.60)	215.9 (8.50)	38-430		6/24
Wide-mouth bottles						
CE-N2199-0008	250 mL (8 oz)	50.3 (1.98)	99.3 (3.91)	43-415	Natural polypropylene	12/72
CE-N2199-0016	500 mL (16 oz)	72.6 (1.86)	168.2 (6.62)	53-415		12/48
CE-N2199-0032	1 L (32 oz)	91.44 (3.60)	199.2 (7.84)	63-415		6/24
Carboys with integrated handles						
CE-N2289-0020	10 L (2.6 gal)	250.2 (9.85)	389 (15.3)	83B	White polypropylene	1/6
CE-N2289-0050	20 L (5.3 gal)	284.2 (11.19)	501.7 (19.8)	83B		1/4
CE-N2289-0075	33 L (8.7 gal)	381 (15.0)	546 (21.5)	83B		1/1

O.D.: Outer diameter

Low particle containers

Particle-certified glass containers

Particle-certified glass containers

Containers are assembled to contain as few as 5 particles per milliliter ≥ 0.5 microns. Containers are assembled with low-shedding polypropylene closures with chemically inert PTFE-faced liners that do not contain adhesives. Both clear and amber glass products are available.

- Containers and closures are cleaned in proprietary HEPA-filtered washing and drying equipment
- Clean-packaged in Class 10 HEPA filtered workstations inside our Class 100 clean room
- Certified to contain as few as 5 particles/mL ≥ 0.5 microns
- Other container sizes and materials that meet and exceed USP <788> requirements are available as custom options by contacting your sales representative



Applications

- Sampling for QC, etc.
- Pharmaceutical and biotech use

Particle-certified glass containers

Ordering information

Cat. No.	Description	Capacity oz (mL)	Closure		O.D. x H		No./ case
			Size	Liner	mm	in.	
130-005/LP	Amber glass wide-mouth bottle with closed-top polypropylene closure (≤ 20 particles/mL at 0.5 microns)	0.5 (15)	28-400	PTFE	1.218 x 1.984	30.93	57
140-40C/LP	Clear glass vial with open-top closure, particulate-cleaned (≤ 10 particles/mL at 0.5 microns)	1.35 (40)	24-414	PTFE/silicone Septa	1.08 x 3.74	27.5 x 95.00	90
114-060A/LP	Amber glass Boston round bottle with open-top closure (≤ 10 particles/mL at 0.5 microns)	2 (60)	20-400	PTFE/silicone Septa	1.516 x 3.688	38.50 x 93.66	24
120-02A/LP	Amber glass packer bottle with lined closure (≤ 10 particles/mL at 0.5 microns)	2 (60)	33-400	PTFE	1.75 x 3.00	44.45 x 76.20	24
114-125CT/LP	Clear glass Boston round bottle with closed-top closure (≤ 5 particles/mL at 0.5 microns)	4 (125)	24-414	PTFE/silicone	1.875 x 4.375	47.63 x 111.13	12
114-125A/LP	Amber glass Boston round bottle with closed-top closure (≤ 5 particles/mL at 0.5 microns)	4 (125)	22-400	PTFE/silicone	1.875 x 4.375	47.63 x 111.13	12
120-04A/LP	Amber glass packer bottle with PTFE-lined closure (≤ 10 particles/mL at 0.5 microns)	4 (125)	38-400	PTFE	2.125 x 3.75	53.975 x 95.25	12
114-250C/LP	Clear glass Boston round bottle with closed-top closure (≤ 5 particles/mL at 0.5 microns)	8 (250)	24-414	PTFE/silicone	2.375 x 5.375	60.33 x 136.53	24
114-250A/LP	Amber glass Boston round bottle with closed-top closure (≤ 5 particles/mL at 0.5 microns)	8 (250)	22-400	PTFE/silicone	2.375 x 5.443	60.33 x 138.25	12
121-08A/LP	Amber glass wide-mouth packer bottle with closure (≤ 5 particles/mL at 0.5 microns)	8 (250)	45-400	PTFE	2.563 x 4.688	65.10 x 119.075	12
132-16C/LP	Clear glass jar, wide-mouth, with closure (≤ 5 particles/mL at 0.5 microns)	16 (500)	89-400	PTFE	3.578 x 3.781	90.88 x 96.04	12
113-500A/LP	Amber glass Boston round bottle with closure (≤ 5 particles/mL at 0.5 microns)	16 (500)	28-400	PTFE	3.00 x 6.625	76.20 x 168.28	12
122-16A/LP	Amber glass wide-mouth packer bottle with closure (≤ 5 particles/mL at 0.5 microns)	16 (500)	53-400	PTFE	3.172 x 5.75	80.57 x 146.05	12
112-01A/LP	Amber glass Boston round bottle with closure (≥ 5 particles/mL at 0.5 microns)	32 (1,000)	33-430	PTFE/silicone	3.75 x 8.50	95.25 x 215.90	12
133-32C/LP	Clear glass jar, wide-mouth with closure (≤ 5 particles/mL at 0.5 microns)	32 (1,000)	89-400	PTFE	3.75 x 6.69	95.25 x 169.85	12
110-80A/LP	Amber-fluorinated glass jug with closure (≤ 10 particles/mL at 0.5 microns)	80 (2,500)	38-430	PTFE/silicone	5.25 x 12.00	133.4 x 305	6
123-80A/LP	Amber glass wide-mouth packer bottle with closure (≤ 5 particles/mL at 0.5 microns)	84 (2,500)	70-400	PTFE	5.50 x 9.375	139.70 x 238.13	4
111-04A/LP	Amber glass jug with closure (≤ 5 particles/mL at 0.5 microns)	128 (4,000)	38-430	PTFE/silicone	6.25 x 13.25	158.75 x 336.55	4

Low particle containers

Particle-certified HDPE containers

Particle-certified HDPE containers

HDPE bottles with polypropylene closures are leakproof and suitable for use in sampling packaging, and may be used with combination packaging for hazardous shipping. Low-metal bottles are double-bagged; low-metal certification includes aluminum, calcium, copper, iron, potassium, magnesium, manganese, sodium, and zinc at <10 ppb each.

Applications

- Sampling for stability studies, etc.
- Pharmaceutical and biotech use
- Plastic certified to contain as few as 20 particles/mL ≥ 0.5 microns

Ordering information

Cat. No.	Description	Capacity oz (mL)	Closure size	O.D. x H		No./ case
				mm	in.	
156-125W/N/LP	HDPE narrow-mouth Nalgene Bottle with closure	4 (125)	24-415	50.80 x 101.60	2.00 x 4.00	24
156-125W/N/LPM	HDPE narrow-mouth Nalgene Bottle with closure, low metals	4 (125)	24-415	50.80 x 101.60	2.00 x 4.00	24
157-250W/N/LP	HDPE narrow-mouth Nalgene Bottle with closure	8 (250)	24-415	63.50 x 133.35	2.50 x 5.25	24
150-01W/N/LP	HDPE narrow-mouth Nalgene Bottle with closure	32 (1,000)	38-430	92.08 x 215.90	3.625 x 8.50	12
150-01W/N/LPM	HDPE narrow-mouth Nalgene Bottle with closure, low metals	32 (1,000)	38-430	92.08 x 215.90	3.625 x 8.50	12



Depyrogenation

Depyrogenated glass

Depyrogenated glass

Save the need to invest in expensive capital equipment with ready-to-use depyrogenated glassware in a wide variety of sizes and configurations. The containers have been specially prepared to meet endotoxin levels of <0.25 EU/mL.

- Designed to meet low-endotoxin container needs for terminal sterilization or endotoxin-limited environments
- Testing performed according to USP <85>
- Endotoxin levels of <0.25 EU/mL
- Containers and closures cleaned in proprietary HEPA-filtered washing equipment with low endotoxin water followed by a 250°C depyrogenation cycle
- Clean-packaged in Class 10 (ISO Class 4) HEPA filter-equipped workstations inside our Class 100 (ISO Class 5) clean room

Applications

- Packaging and storage of articles that will be terminally sterilized
- Storage of laboratory reagents and medias
- Sample storage
- Water sampling



Depyrogenated glass

Ordering information

Cat. No.	Description	Capacity oz (mL)	Closure		O.D. x H		No./ case
			Size	Liner	mm	in.	
23-CTP4/PF	Clear glass vial with urea closure	0.12 (4)	13-425	PTFE	14.8 x 45.00	0.583 x 1.772	72
139-20C/CT/LP/PF	Clear glass vial with closed-top black polypropylene closure	0.68 (20)	24-400	PTFE/ silicone	27.50 x 57.00	1.083 x 2.244	72
130-02C/PF	Clear wide-mouth glass straight side jar with closure	2 (60)	53-400	PTFE	55.88 x 48.26	2.2 x 1.9	24
C20-02A/PF	Amber wide-mouth glass jar with closure	2 (60)	33-400	PTFE	44.45 x 75.39	1.75 x 2.968	24
130-04A/PF	Amber wide-mouth short glass straight side jar with closure	4 (125)	58-400	PTFE	57.15 x 69.85	2.25 x 2.75	24
130-04C/PF	Clear wide-mouth short glass straight side jar with closure	4 (125)	58-400	PTFE	59.92 x 68.63	2.359 x 2.702	24
130-04C/TL/PF	Clear, tall wide-mouth glass jar with closure	4 (125)	48-400	PTFE	50.80 x 101.60	2.00 x 4.00	24
C20-04A/PF	Amber glass wide-mouth packer bottle with closure	4 (125)	38-400	PTFE	53.98 x 95.25	2.125 x 3.75	24
121-08A/PF	Amber glass wide-mouth packer bottle with closure	8 (250)	45-400	PTFE	65.100 x 119.075	2.563 x 4.688	12
131-08A/PF	Amber glass straight side wide-mouth jar	8 (250)	70-400	PTFE	73.03 x 88.90	2.875 x 3.5	24
131-08C/PF	Clear glass straight side wide-mouth jar	8 (250)	70-400	PTFE	73.03 x 88.90	2.875 x 3.5	24
122-16A/PF	Amber glass wide-mouth packer bottle with closure	16 (500)	53-400	PTFE	80.57 x 146.05	3.172 x 5.75	12
132-16C/PF	Clear glass straight side wide-mouth jar	16 (500)	89-400	PTFE	98.87 x 90.88	3.578 x 3.781	12
123-32A/PF	Amber glass wide-mouth packer bottle with closure	32 (1,000)	53-400	PTFE	98.81 x 177.8	3.89 x 7.00	12
133-32C/PF	Clear glass wide-mouth bottle with closure	32 (1,000)	89-400	PTFE	95.25 x 169.85	3.75 x 6.687	12
123-40A/PF	Amber glass wide-mouth packer bottle with closure	40 (1,200)	70-400	PTFE	190.50 x 104.78	7.500 x 4.125	24
117-2L/PF	Clear glass wide-mouth bottle	64 (2,000)	83-400	PTFE	127.00 x 215.90	5.00 x 8.50	6
123-80A/PF	Amber glass wide-mouth packer bottle with closure	84 (2,500)	70-400	PTFE	139.70 x 238.13	5.50 x 9.375	4
117-4L/PF	Clear glass wide-mouth bottle	128 (4,000)	110-400	PTFE	156.08 x 252.81	6.145 x 9.953	4

Depryogenation

Sterile vials

Certified both depyrogenated and sterile and available in sizes from 1 mL to 100 mL. Sterile vials are Type 1 borosilicate, assembled with butyl stoppers and aluminum seals.

Applications

- Suitable for packaging and storage of articles that will be terminally sterilized, storage of laboratory reagents and medias, sample storage, water sampling—but where an aseptic protocol is required

Ordering information

Cat. No.	Description	Capacity oz (mL)	Closure size (mm)	O.D. x H		No./ case
				mm	in.	
ST1-11	Clear glass vial preassembled with stopper and aluminum crimp seal	0.034 (1)	11	11.91 x 30.18	0.469 x 1.188	100
ST2-13	Clear glass vial preassembled with stopper and aluminum crimp seal	0.068 (2)	13	16 x 35	0.63 x 1.378	100
ST2-13A	Amber glass vial preassembled with stopper and aluminum crimp seal	0.068 (2)	13	16 x 35	0.63 x 1.378	100
ST5-13	Clear glass vial preassembled with stopper and aluminum crimp seal	0.17 (5)	13	15.09 x 50.80	0.594 x 2.00	50
ST5-20	Clear glass vial preassembled with stopper and aluminum crimp seal	0.17 (5)	20	19.84 x 38.10	0.781 x 1.50	50
ST5-20A	Amber glass vial preassembled with stopper and aluminum crimp seal	0.17 (5)	20	19.84 x 38.10	0.781 x 1.50	50
ST10-20	Clear glass vial preassembled with stopper and aluminum crimp seal	0.34 (10)	20	20.65 x 50.80	0.813 x 2.00	50
ST10-20A	Amber glass vial preassembled with stopper and aluminum crimp seal	0.34 (10)	20	20.65 x 50.80	0.813 x 2.00	50
ST20-20	Clear glass vial preassembled with stopper and aluminum crimp seal	0.68 (20)	20	24.61 x 58.75	0.969 x 2.313	50
ST30-20	Clear glass vial preassembled with stopper and aluminum crimp seal	1.014 (30)	20	33.35 x 63.50	1.313 x 2.50	50
ST30-20A	Amber glass vial preassembled with stopper and aluminum crimp seal	1.014 (30)	20	33.35 x 63.50	1.313 x 2.50	50
ST50-20	Clear glass vial preassembled with stopper and aluminum crimp seal	1.7 (50)	20	38.1 x 68.28	1.50 x 2.688	50
ST50-20A	Amber glass vial preassembled with stopper and aluminum crimp seal	1.7 (50)	20	38.1 x 68.28	1.50 x 2.688	50
ST100-20	Clear glass vial preassembled with stopper and aluminum crimp seal	3.4 (100)	20	45 x 95.25	1.75 x 3.75	50
ST100-20A	Amber glass vial preassembled with stopper and aluminum crimp seal	3.4 (100)	20	45 x 95.25	1.75 x 3.75	50

All products listed have a butyl rubber stopper.

Total organic carbon

Total organic carbon (TOC)-certified vials and TOC water, and other specialty waters

TOC-certified vials

TOC-certified vials are low-level-certified. Several sizes of containers are available, including the popular 40 mL autosampler vials—cleaned, certified, and ready to use. Simplify and reduce the cost of cleaning validations.

- Low background is perfect for preparation and storage of standards
- Each lot is tested and certified to contribute <10 or 20 ppb TOC background

Applications

- USP method <643> testing
- Off-line and grab sampling of high-purity water
- 40 mL vials fit most automated TOC instruments

TOC water and other specialty waters

TOC water and other specialty waters are packaged in precleaned amber glass containers and are ideal for dilution of TOC testing samples. Processing includes reverse osmosis, activated carbon, and ultraviolet TOC reduction.

- Certified to contain <50 ppb TOC
- High-purity water exceeds 17 MOhm resistivity
- Final water filtered through 0.05 micron hydrophobic membrane filters

Applications

- Sample and standard dilutions
- Lab blank determination
- Equipment rinsing



TOC-certified vials, TOC water, and other specialty waters

Ordering information

Cat. No.	Description	Capacity oz (mL)	Closure		O.D. x H		No./ case
			Size	Liner	mm	in.	
Total organic carbon-certified vials							
CT18-TOC	Screw-thread glass tube (round bottom) silanized 16 x 125 (certified for <20 ppb for TOC)	0.6 (18)	15-425	PTFE/silicone Septa	14.30 x 127	0.563 x 5.00	255
CT18-TOC/LL	Screw-thread glass tube (round bottom) silanized with closure 16 x 125 (certified for <10 ppb for TOC)	0.6 (18)	15-425	PTFE/silicone Septa	14.30 x 127	0.563 x 5.00	255
SCT-18100/TOC	Clear glass flat bottom tube with closure 18 x 100 (<20 ppb for TOC)	0.58 (17)	15-425	PTFE/silicone Septa	17.75 x 100.0	0.699 x 3.937	200
3115-OTWS-2	30 mL polysulphone tube with closure, TOC-cleaned only, no C of A	1 (30)	20-400	PTFE/silicone Septa	26 x 95	1.02 x 3.74	100
24-414/TS/WS-2	24-414 polypropylene cap, TOC-cleaned only, no C of A	N/A	24-414	PTFE/silicone Septa	N/A	N/A	72
40C-TOC	Clear glass vial with closure, dust covers (certified for <20 ppb for TOC)	1.35 (40)	24-414	PTFE/silicone Septa	27.50 x 95.00	1.083 x 3.740	72
40A-TOC/DB/LL	Amber glass vial with closure, dust covers (certified for <10 ppb for TOC)	1.35 (40)	24-414	PTFE/silicone Septa	27.50 x 95.00	1.083 x 3.740	144
40C-TOC/DB	Clear glass vial with closure, dust covers (certified for <20 ppb for TOC)	1.35 (40)	24-414	PTFE/silicone Septa	27.50 x 95.00	1.083 x 3.740	144
40C-TOC/DB/LL	Clear glass vial with closure, dust covers (certified for <10 ppb for TOC)	1.35 (40)	24-414	PTFE/silicone Septa	27.50 x 95.00	1.083 x 3.740	144
40C-TOC/LL	Clear glass vial (certified for <10 ppb for TOC)	1.35 (40)	24-414	PTFE/silicone Septa	28.58 x 95.25	1.125 x 3.75	72
S114-125A/TOC	Amber glass Boston round with closed-top closure (certified for <20 ppb TOC)	4 (125)	22-400	PTFE/silicone	47.63 x 111.13	1.875 x 4.375	12
S114-250A/TOC	Amber glass Boston round with open-top polypropylene closure (certified for <20 ppb TOC)	8 (250)	24-414	PTFE/silicone Septa	59.92 x 136.35	2.359 x 5.368	12
S114-250C/TOC	Clear glass Boston round, open-top polypropylene closure (certified for <20 ppb TOC)	8 (250)	24-414	PTFE/silicone Septa	59.92 x 136.35	2.359 x 5.368	24
1000C/TOC	Clear Boston round bottle with closed-top closure (certified for <20 ppb TOC)	32 (1,000)	33-400	PTFE	96.44 x 216.69	3.797 x 8.531	12
1000A/TOC	Amber Boston round glass bottle with closed-top closure (certified for <20 ppb TOC)	32 (1,000)	33-430	PTFE	96.44 x 216.69	3.797 x 8.531	12
TOC water and other specialty waters							
112-01A/CTOC	Amber glass bottle with closure (filled)	32 (1000)	33-430	PTFE/silicone	93.98 x 205.74	3.70 x 8.10	12
111-04A/C-TOC	Amber jug with closure (filled)	128 (4000)	38-430	PTFE/silicone	158.75 x 336.55	6.25 x 13.25	4

Silanization

Silanized glassware products

Save time and minimize waste costs when performing quantitative analysis or storing materials. Surface deactivation treatments such as silanization may play an important role in preserving the integrity of certain materials or extracts stored in glass containers. It also helps to avoid alkalization of contents, which may occur as carbonates leach from the glass with normal weathering. Pre-processed with a silanized surface deactivation treatment, these products are offered in convenient, ready-to-use clean packs.

- Provided as standard products or custom services
- Available as vials and culture tubes to minimize waste costs for quantitative analysis
- Treatment inhibits materials from adhering to the surface of the container, allowing for maximum recovery of trace analytes
- A methyl silylating agent is introduced by vapor phase deposition onto the surface of the disposable glassware
- Silylating agent reacts with active groups on surface of glass, effectively making them less reactive to stored nonaqueous materials

Applications

- Processing of materials prone to adhering to glass surfaces
- Extraction glassware
- Nonaqueous material storage

Silanized glassware products

Ordering information

Cat. No.	Description	Capacity oz (mL)	Closure		O.D. x H		No./ case
			Size	Liner	mm	in.	
SAA-SV2-2	Amber glass vial 12 x 32 screw-thread closure	0.068 (2)	8-425	PTFE/silicone	11.99 x 32.00	0.472 x 1.26	100
SCA-SV2-2	Clear glass vial 12 x 32 closed-top closure	0.068 (2)	8-425	PTFE	11.99 x 32.00	0.472 x 1.26	100
SCA-SV2-CT	Amber glass vial 12 x 32 closed-top closure	0.068 (2)	8-425	PTFE	11.99 x 32.00	0.472 x 1.26	100
EP608154-S	Amber glass vial with closure	0.12 (4)	13-425	PTFE/foam	14.80 x 45.00	0.583 x 1.772	100
SAA-SV4-2	Amber glass vial 15 x 45 closed-top closure	0.12 (4)	13-425	PTFE	14.80 x 45.00	0.583 x 1.772	100
SCA-SV4-2	Clear glass vial 15 x 45 closed-top closure	0.12 (4)	13-425	PTFE	14.80 x 45.00	0.583 x 1.772	100
EP608158-S	Amber glass vial with closure	0.27 (8)	15-425	PTFE/foam	16.99 x 59.99	0.669 x 2.362	100
C39-20A/CT-S	Amber glass vial with solid closed-top Septa closure	0.68 (20)	24-414	PTFE/silicone	27.50 x 57.00	1.083 x 2.244	72
C39-20C/CT-S	Clear glass vial with solid closed-top Septa closure	0.68 (20)	24-414	PTFE/silicone	27.50 x 57.00	1.083 x 2.244	72
212-01A-S	Amber glass Boston round bottle with black closure	32 (1,000)	33-430	PTFE	96.44 x 216.69	3.797 x 8.531	12
239-20A/CT-S	Amber glass vial with closed-top closure	0.68 (20)	24-414	PTFE/silicone	28.58 x 57.15	1.125 x 2.25	72

Glassware culture tubes, disposable

Type 1 borosilicate glass sold 1,000 per case, 250 per inner pack.

CTS-1275	Clear glass culture tubes 12 x 75 (closures are not included)	0.20 (6)	N/A	N/A	12 x 75	0.47 x 2.95	1,000
STT-13100-S	Screw-thread glass tubes 13 x 100 (closures are not included)	0.27 (8)	13-415	N/A	13 x 100	0.51 x 3.94	1,000
CTS-13100	Clear glass culture tubes 13 x 100 (closures are not included)	0.34 (10)	N/A	N/A	13 x 100	0.51 x 3.94	1,000
STT-16100-S	Screw-thread glass tubes 16 x 100 (closures are not included)	0.41(12)	15-415	N/A	16 x 100	0.63 x 3.94	1,000
CTS-16100	Clear glass culture tubes 16 x 100 (closures are not included)	0.51 (15)	N/A	N/A	16 x 100	0.63 x 3.94	1,000
STT-16125-S	Screw-thread glass tubes 16 x 125 (closures are not included)	0.54 (16)	15-415	N/A	16 x 125	0.63 x 4.92	1,000
CTS-16125-2	Clear glass culture tubes 16 x 125 (closures are not included)	0.64 (19)	N/A	N/A	16 x 125	0.63 x 4.92	1,000

Focus on what you do best

And leave the cleaning to us

Didn't find an item in our catalog to fit your needs? We can customize a variety of containers, packaging, and processing products for you.

Custom particulate washing services

- Facility and quality management system certified under ISO 9001:2008
- State-of-the-art water purification system used for rinse water—meets USP requirements for water for injection (WFI)
- Colorless or amber glass or plastics
- Closures and components
- 100 µL to 50 L
- Performed in class 10 HEPA-filtered workstations inside our class 100 clean room with full traceability at our ISO facility

Packaging options

- Clean room bags, autoclaved wrap, or bags
- Low-shed trays available for small vials and bottles
- Heat seal, twist tie, tape, zip-tie, and other closure methods
- Single-, double-, triple-layer packaging available

- Carton choices include double-wall corrugate

Sterilization methods

- Dry heat
- Gamma irradiation
- Moist heat or autoclave
- Certificate of analysis included—meets USP sterilization criteria
- Other sterilization methods available upon request—ethylene oxide, e-beam, etc.

Other services

- We offer any of our standard catalog item services on custom products as well. Please note: some services cannot be combined. Contact your sales representative for details.

If you need assistance with further information or a quote, our customer service department is a phone call away.

Standard product offerings

Monday through Friday 9:30 AM–5:30 PM, ET
In the US: 1-800-228-4931
Outside the US: +1-865-717-1986

Custom product offerings

Monday through Friday 9:30 AM–5:30 PM, ET
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