

NovaSeptum® GO Sterile Sampling Systems

A secure and flexible system for sampling fluids throughout sterile and aseptic processes

To demonstrate the safety and integrity of your product, you need a standard-setting sampling solution that provides the flexibility to sample throughout your entire process. It is critical that samples are representative and the sampling system minimizes the risk of both sample or process contamination.

Our NovaSeptum® GO sterile sampling system is designed to meet the needs of sampling throughout aseptic and sterile processes. The innovative closed design isolates your sample from collection to analysis, maintaining sample integrity while reducing the possiblity of sample loss. When not in use, the locking capability provides an extra level of confidence, keeping your sample safe and process under control.

Benefits

- Sampling actuation evidence and control ensures process integrity and a representative sample
- Closed, easy to use and validate, the system improves operational efficiency and reduces risk of contamination
- Presterilized, eliminating the need for cleaning and/or sterilization between samples
- Preconfigured or configure on site
- Accommodates a wide range of holders and sampling configurations for adaptable, flexible sampling throughout your process



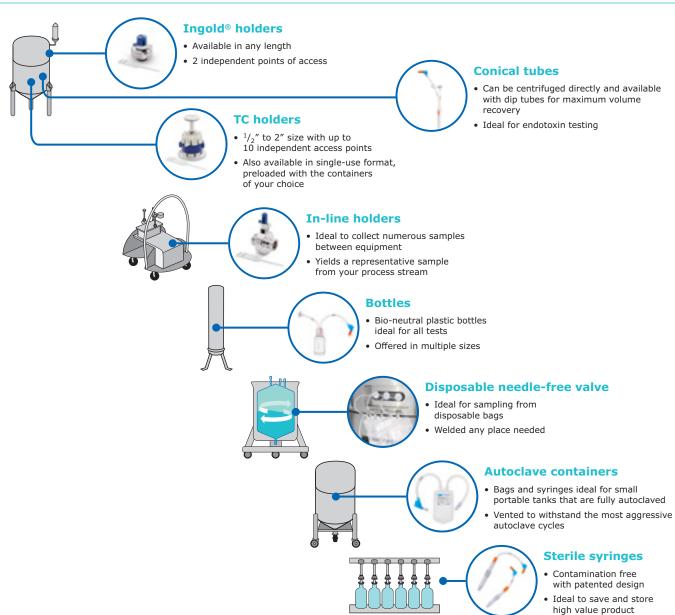


NovaSeptum® GO system compared to other sampling systems

	NovaSeptum® GO systems	Other single-use sampling methods	Traditional sample valves	Tube welding
Closed and presterilized	✓	✓		
User configurable	✓			
Ready to use/Pre-assembled	✓	✓		
Sample anywhere: Ingold®, In-line, and custom holders	✓			
Representative sample: No dead leg, flush, or sample dilution	✓	~		
Patented accurate volume closed syringes	✓			
Single-use system compatible	✓			✓
Autoclavable	✓		N/A	N/A

Sampling anywhere—made easy

Anatomy of a sampling plan



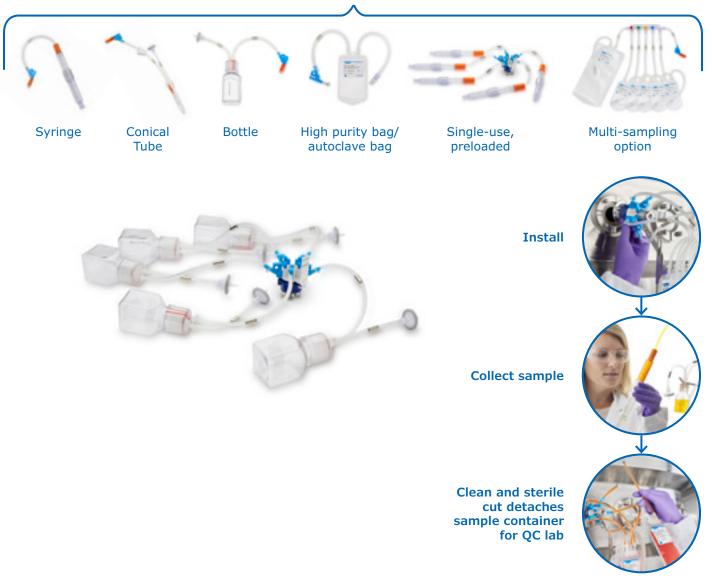
Your sampling plan, our solution: For Fast and Flexible Implementation

Standard or custom, standalone or preloaded options

Pick your holder



Pick your single or multi sampling unit



Specific Sampling Demands Require Specific Sampling Solutions

Representative sampling

Ensuring the sample and product are safe from cross contamination is a key component of representative sampling. The NovaSeptum® GO sampling system significantly reduces the risk of both process and sample contamination compared with traditional sampling methods. The system's locking tag confirms actuation occured prior to use, and the safety ring prevents accidental actuation during processing. This system is ideally suited for sampling for sterility testing, bioburden testing, endotoxin testing, chemical analysis, pH analysis, sample retains, and applications requiring very low affinity for proteins, complex carbohydrates, or small molecules.

High Viscosity Cell Culture Sampling

Sampling can become a challenge with high viscosity cell culture solutions. For this reason, all NovaSeptum® GO sampling units are designed with a universal 2 mm diameter needle size, enabling significantly higher flow rates while reducing shear for cell culture sampling as well as all other applications.

Autoclavable Manufacturing Processes

When integrating a sampling solution into a fully autoclavable manufacturing set-up, specific parameters and materials need to be considered. The NovaSeptum® GO sampling system for autoclavable applications are suitable for integration into processes that require autoclave sterilization.

Sample Size and Quantity

Every manufacturing process has specific requirements for both the number of samples and sample volume. The NovaSeptum® GO sampling system offers options to meet all your sampling needs, including preloaded sampling systems and multi-sampling manifolded options, available as standard off-the-shelf products.

Accurate, Small Volume of Samples

Small-volume sampling of high value products is important to minimizing product waste and economic loss. Our NovaSeptum® GO AV syringe can accurately sample from 1-20 mL volumes enabling operators to confidently dispense small volumes directly.

Endotoxin Sampling

Made from polystyrene, the 15mL Novaseptum® GO conical tube is designed for endotoxin sampling. The tube is clearly calibrated enabling accurate measurement of a small sample volume in a convenient format for QC testing.



Sterile Transfer

Transferring liquid from one sterile process into another can increase the risk of cross contamination of the sample or the manufacturing process. The Novaseptum GO design ensures safe, sterile liquid transfer, minimizing risk of contamination.

Robust Protection During Transport, Storage and Freezing

The NovaSeptum® case provides extra protection for your high purity bag from sampling to transport and storage, and while freezing your samples.





A Step-By-Step Guide to Sampling with the NovaSeptum® GO System

Step 1: Load the NovaSeptum® GO triggers into the magazine and lock into place. Attach the bag rack to the loaded magazine (optional). Then attach the bag rack with loaded magazine onto the NovaSeptum® GO holder base and lock into place. (Note: Holder base may be left secured onto a tank or piping.) If preloaded, start at Step 2.



Step 2: Attach the loaded NovaSeptum® GO holder base to a NovAseptic® connector on either your tank or piping. If configuring on site, attach the first actuation locking tag to prevent accidental actuation.



Step 3: Perform standard CIP/SIP.



Step 4: To begin sampling, remove the locking tag, then turn the safety ring to actuate first trigger. Press the NovaSeptum® GO trigger to enable needle to puncture the silicone diaphragm to begin sampling. When sampling is complete, release the NovaSeptum® GO trigger, place it in the lock position, and return safety ring to lock position.





Step 5: Using the NovaSeptum® manual crimping tool, crimp the metal pinch pipe to seal and separate the inlet tubing. The NovaSeptum® manual crimping tool provides a safe, secure cut without risk of contamination.





Step 6: The NovaSeptum® GO sampling container is ready for shipment to the laboratory.



Connect Easily and Securely

Whether you are connecting to an existing process or designing a sampling solution for a new procedure, NovaSeptum® GO system has a broad range of connectors and holders to facilitate the integration of the NovaSeptum® GO sampling units into the process.

Single-Use Connectors

Reduce labor associated with cleaning or handling with NovaSeptum® single-use connectors. The needle-free sampling valve brings capabilities for NovaSeptum® sampling integration into your larger single-use process assemblies. Our NovaSeptum® needle-free single-use sampling assemblies are part of our Mobius® Select Component Library providing you with the perfect balance of off-the-shelf speed and custom flexibility to meet your single-use processing needs.

NovAseptic® Connectors



Needle-Free Single-Use Sampling Valve



NovaSeptum® GO Multi-Use Holders



Validating Performance of your NovaSeptum® GO Sterile Sampling System

Let our validation experts help you develop a robust validation plan to help ensure your NovaSeptum® GO sterile sampling system performs reliably within your predefined process conditions.

We will work with you to understand your process, and then by using our in-depth knowledge of our products, help you assess the risk of your application and recommend the appropriate level of testing to mitigate this risk. Test results will demonstrate the NovaSeptum® GO sampling system's ability to maintain content sterility and integrity as well as operator safety under your specific process conditions, even after long storage periods or extreme operating parameters.

With decades of experience, we can save you valuable time and resources and mitigate your risk throughout your production process.

Specifications

NovaSeptum® GO Sterile Sampling Units

	High Purity Bag	Autoclavable Bag	Bottle	Conical Tube	Syringe	Tube Transfer
Sampling Unit Volume (mL)	50 to 1000	50 to 1000	60, 125, 250, and 500	15	5 and 20	N/A
Dip Tube	N/A	N/A	N/A	LDPE (Low Density Polyethylene)	N/A	N/A
	N/A	N/A	N/A	Inox 316L	N/A	N/A
TTP clip	N/A	N/A	N/A	Polypropylene	N/A	N/A
Maximum Pressure Conditions (at 25 °C)*	0.50 bar (7.25 psi) up to 250 mL, 0.30 bar (4.35 psi) for 1000 mL and muti-sampling	0.30 bar (4.35 psi)	0.50 bar (7.25 psi) for the single unit, 0.30 bar (4.35 psi) for the multi- sampling	0.50 bar (7.25 psi)	0.50 bar (7.25 psi)	0.50 bar (7.25 psi)
Temperature Range	50 mL to 250 mL: -80 (when used with a NovaSeptum® Case) to 50 °C (-112 to 122 °F) 1000 mL: -20 to 50 °C (-4 to 122 °F)	-20 to 125 °C (-4 to 257 °F)	-80 to 50 °C (-112 to 122 °F) Freeze sampling bottle vertically. To freeze the 500 mL size, do not fill more than 400 mL.	2 to 60 °C (36 to 140 °F)	Single 5 mL: -80 to 134 °C (-12 to 273 °F) Single 20 mL: -80 to 121 °C (-112 to 250 °F) Multi: -20 to 50 °C (-4 to 122 °F)	Thermoplastic elastomer (TPE): -20 to 50 °C (-4 to 122 °F) Silicone: -50 to 95 °C (-58 to 203 °F) C-Flex®: -73 to 132 °C (-99 to 270 °F)
Centrifugation recommended speed (to be used with Centrifuge Caps sold as an accessory)	N/A	N/A	N/A	1000 x g RCF	N/A	N/A
Trigger	Se	ptum: Platinum-cured	silicone; Body: Polyes	ter; Cannula: ASTM	316 L Stainless stee	el
Sampling Bag	Polyethylene film (PureFlex™ film)	Polypropylene	N/A	N/A	N/A	N/A
Fluid Contact Layer	Polyethylene film (PureFlex™ film)	Polypropylene film	Polyethylene Terephtalate Glycol	Polystyrene	Polycarbonate, platinum-cured silicone, medical silicone fluid	N/A
Tubing	Thermoplastic elastomer (TPE)	Silicone	Thermoplastic elastomer (TPE)	Thermoplastic elastomer (TPE)	Silicone	Thermoplastic elastomer (TPE), silicone or C-Flex® tube
Dip Tube	N/A	N/A	N/A	LDPE (Low Density Polyethylene)	N/A	N/A
Insert	N/A	N/A	N/A	Inox 316L	N/A	N/A
TTP clip	N/A	N/A	N/A	Polypropylene	N/A	N/A
Bottle Cap	N/A	N/A	Polypropylene	N/A	N/A	N/A
Conical Tube Cap	N/A	N/A	N/A	polyethylene	N/A	N/A
Fittings						
Inlet Tubing	Tuhing, 2 nioso	Tubing, Mala	Septum with a 2		Famala and mala	2 minon Luna
Outlet Tubing	Tubing: 3-piece Luer-Lok™, containing a male, female and an injection site	Tubing: Male Luer-Lok™ with female cap	Сар	Сар	Female and male Luer-Lok™	3-piece Luer- Lok™, containing a male, female and an injection site
Autoclaving**	No	Yes	No	No	Single: Yes Manifold: No	No
USP <88> Class VI	All component mate USP <88> Biologica	rials, in contact with sa I Reactivity, <i>in vivo</i> .	mpling liquid, meet th	ne criteria for Class \	/I testing based on	
Integrity Testing	Units are integrity to	ested at regular interva	ls during manufacturi	ng.		
Assembly	Assembled under IS	O Clean Room Class 8	conditions in a facility	certified to ISO 146	44-1 standards.	
Sterilization	Beta irradiation at 25–70 kGy according to ISO 11137	Beta irradiation at 25–70 kGy according to ISO 11137	Gamma irradiation at 25–40 kGy according to ISO 11137	Gamma irradiation at 25–40 kGy according to ISO 11137	Beta irradiation at 25–70 kGy according to ISO 11137	Beta irradiation at 25–70 kGy according to ISO 11137

^{*}Do not fill the sampling unit with more than the maximum sample volume. Refer to the User Guide to determine your sampling procedure.

**Autoclaving can only be performed on empty containers.

Materials of Construction Case Amorphous Polyethylene Terephthalate (APET) noble Dimensions (length x width x height) 50, 100 mL 442 x 275 x 36 mm (17.4 x 10.8 x 1.4 in.) 250 mL 442 x 275 x 42 mm (17.4 x 10.8 x 1.6 in.) Maximum Pressure Conditions 0.50 bar up to 250 mL Operating Temperature -80 to 37 °C (-112 to 98.6 °F) Needle-Free Sampling Valve Materials of Construction Mounting Plate, Sliding Plate, Hanger, and Holder O-ring Silicone Environmental Operating Temperature 2 to 60 °C (35 to 140 °F) Traceability N/A Sterilization Gamma irradiation between 25 kGy and 45 kGy Component Material Toxicity All wetted components comply with USP <88> Biological Reactivity Tests for Class VI plastics Endotoxin Level <2.15 EU/device for all wetted components Assembly Welded in a Mobius* assembly Packaging N/A NovaSeptum* GO Holder Materials of Construction Wetted Materials Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold*, and in-line holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold*, and in-line holders. Polypeter for 1 shot TC, Ingold*, and in-line holders.		
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Mounting Plate, Sliding Plate, Hanger, and Holder O-ring Silicone Environmental Operating Temperature Traceability N/A Sterilization Gamma irradiation between 25 kGy and 45 kGy Component Material Toxicity All wetted components comply with USP <88> Biological Reactivity Tests for Class VI plastics Endotoxin Level Assembly Welded in a Mobius® assembly Packaging N/A NovaSeptum® GO Holder Materials of Construction Wetted Materials Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® N/A In-line TC, Butt-end Design Pressure: 6 bar(g) (87 psi)	Operating Temperature	-80 to 37 °C (-112 to 98.6 °F)
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Component Material Toxicity All wetted components comply with USP <88> Biological Reactivity Tests for Class VI plastics Endotoxin Level	Traceability	N/A
Endotoxin Level <2.15 EU/device for all wetted components Assembly Welded in a Mobius® assembly Packaging N/A NovaSeptum® GO Holder Materials of Construction Wetted Materials Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Safety ring Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Sterilization	Gamma irradiation between 25 kGy and 45 kGy
Assembly Welded in a Mobius® assembly Packaging N/A NovaSeptum® GO Holder Materials of Construction Wetted Materials Stainless steel 316L, EN 1.4435 Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Safety ring Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Component Material Toxicity	All wetted components comply with USP <88> Biological Reactivity Tests for Class VI plastics
Packaging N/A NovaSeptum® GO Holder Materials of Construction Wetted Materials Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Safety ring Polysulfone for 5 and 9 shot TC holders. Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Tube Standards TC and Ingold® In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Endotoxin Level	< 2.15 EU/device for all wetted components
Materials of Construction Wetted Materials Magazine Magazine Stainless steel 316L, EN 1.4435 Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Assembly	Welded in a Mobius® assembly
Materials of Construction Wetted Materials Stainless steel 316L, EN 1.4435 Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Packaging	N/A
Wetted Materials Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	NovaSeptum® GO Holder	
Magazine GF reinforced polysulfone (PSU) for 5 and 9 shot TC holders. Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Materials of Construction	
Polyphenylene sulfide (PPS) for 1 shot TC, Ingold®, and in-line holders. Polysulfone for 5 and 9 shot TC holders. Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Yes Tube Standards TC and Ingold® In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Wetted Materials	Stainless steel 316L, EN 1.4435
Polyester for 1 shot TC, Ingold®, and in-line holders. Autoclavable/Steam-in-Place Tube Standards TC and Ingold® In-line TC, Butt-end Design Pressure: Polyester for 1 shot TC, Ingold®, and in-line holders. Yes N/A Polyester for 1 shot TC, Ingold®, and in-line holders. Yes Tube Standards N/A ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Magazine	
Tube Standards TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Safety ring	
TC and Ingold® N/A In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Autoclavable/Steam-in-Place	Yes
In-line TC, Butt-end ASTM A270, DIN 11850 (Part 2) Design Pressure: 6 bar(g) (87 psi)	Tube Standards	
Design Pressure: 6 bar(g) (87 psi)	TC and Ingold®	N/A
· · · · ·	In-line TC, Butt-end	ASTM A270, DIN 11850 (Part 2)
Design Temperature: -80 °C to 135 °C (-112 °F to 275 °F)	Design Pressure:	6 bar(g) (87 psi)
	Design Temperature:	-80 °C to 135 °C (-112 °F to 275 °F)

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Materials of Construction

Mounting Plate, Sliding Plate, Hanger,

and Holder

Stainless steel in compliance with ASTM 316

Manifold Holder Polyacetale copolymer

Wing Screw Stainless steel in compliance with SST304/SST316

PVC

Screw and Locking Nut Stainless steel in compliance with SST316

Port Plugs

Material of Construction Platinum-cured silicone (wetted part) + polyester for the pin

Operating Temperature 0 to 134 °C (32 to 273 °F)

Miscellaneous Accessories

First actuation locking tag

Materials of Construction

Volume Indicator Ruler, Crimped Tube

Protector Caps

Conical Tube Sterile Centrifuge cap

Polypropylene (15mL)

Polyamide and stainless steel

Operating Temperature

Volume Indicator Ruler -15 to 55 °C (5 to 131 °F) Crimped Tube Protector Caps -20 to 60 °C (-4 to 140 °F) First actuation locking tag 0 to 134 °C (32 to 273 °F)

Dimensions	Thickness (µm)	Volume (mL)	Length x Width (mm)
Volume Indicator Ruler	200 ±20	50	160 ±1 30 ±1
	200 ±20	100	169 ±1 30 ±1
	200 ±20	250	202 ±1 30 ±1
	200 ±20	1000	325 ±1 30 ±1
Crimped Tube Protector Caps	1.00 ±0.25	N/A	$12.7 \pm 2.00 \times 8.00 \pm 0.25$

NovaSeptum® Manual Crimping Tool

Materials of Construction

Body Aluminum

Lower Die Vanadis with hardened special surface treatment Upper Die Vanadis with hardened special surface treatment

Screws and Bearings Stainless steel

Ordering Information

General Fluid and Cell Culture Sampling

	Device Description	Sample Volume (mL)	Sampling Unit	Needle Size (mm)	Qty/Pk	Cat. No.
		50 mL	Single	2	50	E711-10050
TITTO		100 mL	Single	2	50	E711-10100
@L \		250 mL	Single	2	50	E711-10250
10071111	High Purity Bags	1000 mL	Single	2	50	E711-11000
Labber Colored		5 x 50 mL	Multi	2	5	E714-10050
		5 x 100 mL	Multi	2	5	E714-10100
		5 x 250 mL	Multi	2	5	E714-10250
		50 mL	Single	2	40	E221-00215
00		100 mL	Single	2	40	E221-00216
()		250 mL	Single	2	40	E221-C0243
	Autoclavable Bags	1000 mL	Single	2	40	E221-C0244
		60 mL	Single	2	40	E871-80060
4		5 x 60 mL	Multi	2	5	E874-80060
		125 mL	Single	2	25	E871-80125
- H	Bottles	5 x 125 mL	Multi	2	4	E874-80125
<u> </u>	Dotties	250 mL	Single	2	20	E871-80250
1		5 x 250 mL	Multi	2	3	E874-80250
		500 mL	Single	2	12	E871-80500
	Conical tube	15 mL	Single	2	40	EC71-80015
-	Conical tube	5 x 15 mL	Multi	2	8	EC74-80015
	Conical tube with dip tube	15 mL	Single	2	40	ED71-80015
94	Conical tube with dip tube	5 x 15 mL	Multi	2	8	ED74-80015
1	Conical tube with C-flex® tubing inlet	15 mL	Single	2	40	5C41-80015
	Conical tube with C-flex® tubing inlet	5 x 15 mL	Multi	2	8	5C44-80015
Y	Conical tube with dip tube and C-flex® tubing inlet	15 mL	Single	2	40	5D41-80015
1	Conical tube with dip tube and C-flex® tubing inlet	5 x 15 mL	Multi	2	8	5D44-80015
		5 mL	Single	2	50	E461-90005
11111		5 x 5 mL	Multi	2	5	E464-90005
46/IIII)		20 mL	Single	2	40	E461-90020
~ # JIII \	Syringes	5 x 20 mL	Multi	2	5	E464-90020

Transfer Units

Device Description	Volume (mL)	Needle Size (mm)	Tubing	Tubing Connector	Qty/Pk	Cat. No.
A	N/A	2	500 mm TPE	3-piece Luer-Lok™	50	E511-10014
	N/A	2	500 mm Silicone	3-piece Luer-Lok™	50	E521-10014
(1)	N/A	2	1000 mm C-Flex®	3-piece Luer-Lok™	50	E541-00020
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Case

Device Description	Sample Volume (mL)	Length x Width (open)	Height	Qty/ Pk	Compatible with Bag Cat. No. (single)	Bag Cat. No. (multi)	Cat. No.
STEE STEE	50 100	442 x 275 mm (17.4 x 10.8 in.)	36 mm (1.4 in.)	25	E711-10050 E711-10100	E714-10050 E714-10100	NSF-10100
	250	442 x 275 mm (17.4 x 10.8 in.)	42 mm (1.6 in.)	25	E711-10250	E714-10250	NSF-10250

NovaSeptum® GO Holders*

Device Description		No. of Sampling Ports	TC Size	Tube Size (O.D.ø)	Cat. No.
In-line TC Holder				.5 in. (ASTM)	EP12/127x94-3D5
EP+Glass Blasted,	***			.75 in. (ASTM)	EP12/191x158-3D5
Fully Machined	Carlon.	1	25 mm (.5 in.)	13 mm (DIN)	EP12/130x100-3D5
	-	1	25 11111 (.5 111.)	19 mm (DIN)	EP12/190x160-3D5
In-line Butt-end Holder				.5 in. (ASTM)	EP12/127x94-3D4
EP+Glass Blasted,	4.			.75 in. (ASTM)	EP12/191x158-3D4
Fully Machined		1	NI/A	13 mm (DIN)	EP12/130x100-3D4
	1	1	N/A	19 mm (DIN)	EP12/190x160-3D4
	11				
TC Holder		1	25 mm (.5 in.)	N/A	ET12/2-3D0
EP+Glass Blasted, Fully Machined	7	5	50.5 mm (1.5 in.)	N/A	ET52/5-3D0
	A865	9	64 mm (2 in.)	N/A	ET92/6-3D0
	STATE OF				

Device Description		No. of Sampling Ports	Ingold® Insertion Length	Cat. No.
Ingold® Holder	-	2	22	EG22/380x252-3D0
EP+Glass Blasted,	-	2	46	EG22/380X490-3D0
Fully Machined	4	2	52	EG22/380X550-3D0

 $[\]ast$ Contact your local representative to discuss custom configurations.

NovaSeptum® Needle-free Sampling Valve

Device Description	Sampling Type	No. of Sampling Ports	TC Size	Tube Size (I.D.ø)	Cat. No.
Needle-free Single-use Sampling Valve					
	N/A	1	N/A	3.2 mm (.125 in.)	Integrated in a Mobius® assembly

NovaSeptum® GO Preloaded Sampling Systems

Device Description	Sampling Type	Sample Volume (mL)	Sample Unit/Single-Use Holder	Qty/ pack	Cat. No.
		20	5 Single Sampling Unit	4	E5SU461-90020
-		5	5 Single Sampling Unit	6	E5SU461-90005
	NovaSeptum® GO AV Accurate Volume Sampling Unit				
		50	5 Single Sampling Unit	6	E5SU711-10050
		100	5 Single Sampling Unit	6	E5SU711-10100
0.00	NovaSeptum® GO High Purity	250	5 Single Sampling Unit	5	E5SU711-10250
0	Sampling Unit	1000	5 Single Sampling Unit	4	E5SU711-11000
1204		60	5 Single Sampling Unit	6	E5SU871-80060
100 mg 100 mg 174		125	5 Single Sampling Unit	4	E5SU871-80125
200	NovaSeptum® GO Bottle Sampling	250	5 Single Sampling Unit	3	E5SU871-80250
830-0	Unit	500	5 Single Sampling Unit	2	E5SU871-80500
wite 100 -		20	9 Single Sampling Unit	2	E9SU461-90020
A 10 10 10 10 10 10 10 10 10 10 10 10 10		5	9 Single Sampling Unit	3	E9SU461-90005
	NovaSeptum® GO AV Accurate Volume Sampling Unit				
-		50	9 Single Sampling Unit	3	E9SU711-10050
The state of the s		100	9 Single Sampling Unit	3	E9SU711-10100
800	NovaSeptum® GO High Purity	250	9 Single Sampling Unit	3	E9SU711-10250
	Sampling Unit	1000	9 Single Sampling Unit	3	E9SU711-11000
		60	9 Single Sampling Unit	3	E9SU871-80060
		125	9 Single Sampling Unit	2	E9SU871-80125
	NovaSeptum® GO Bottle Sampling Unit	250	9 Single Sampling Unit	1	E9SU871-80250

NovaSeptum® GO Preloaded System Starter Kits

Device Description		Qty/Pk	Cat. No.
(3)	NovaSeptum® GO base/nut/locking tool 5-port TC50.5	1	EAT52/5-3D0
	NovaSeptum® GO base/nut/locking tool 9-port TC64	1	EAT92/6-3D0

Accessories

Device Description		Qty/Pk	Cat. No.
1	NovaSeptum® Manual Crimping Tool	1	A100
Ma	NovaSeptum® Manual Crimping Tool Spare Part Kit	1	A104
Port Plugs			
		100	E202
Crimped Tube Protector Caps		100	NSTP-3X6
Locking Tag		100	ENSTAG

Device Description	Sample Volume	Qty/Pk	Compatible with Conical tube Cat. No.	Cat. No.
Conical Tube Sterile Centrifuge	15	10	EC71-80015	NSCAP15
Caps			EC74-80015	
			ED71-80015	
			ED74-80015	
			5C41-80015	
			5C44-80015	
			5D41-80015	
			5D44-80015	
Device Description	Volume (mL)		Qty/Pk	Cat. No.
Volume Indicator Ruler for High Purity Bags	50		50	NSRULER-10050
	100		50	NSRULER-10100
	250		50	NSRULER-10250
	1000		50	NSRULER-11000

Device Description		Fits NovaSeptum [®] Holder	Cat. No.
Bag Racks	For single sampling units	1-port holder, TC 25/NAC 18	A002
100		5-port holder, TC 50.5	A003
		9-port holder, TC 64	A004
_		Ingold® holder	A005
*		5-port holder, TC 50.5 for NAC-USI, NAC-USM	A013
1		9-port holder, TC 64 for NAC-USI, NAC-USM	A014
~	For multi-sampling units	1-port holder, TC 25/NAC 18	A007
		5-port holder, TC 50.5 for NAC-A, NAC-D, NAC-I, NAC-S	A008
		9-port holder, TC 64 for NAC-A, NAC-D, NAC-I, NAC-S	A009
NovaSeptum® bag racks are available for single and		Ingold® holder	A010
multi-sampling units		5-port holder, TC 50.5 for NAC-USI, NAC-USM	A011
		9-port holder, TC 64 for NAC-USI, NAC-USM	A012
NovaSeptum® GO Fixture for TC Bag Rack			ET-BAGRACK-KIT

For additional information, visit

SigmaAldrich.com/sterilesampling

To place an order or receive technical assistance, visit

SigmaAldrich.com/offices

