Millipore®
Preparation, Separation,
Filtration & Monitoring Products

Data Sheet

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

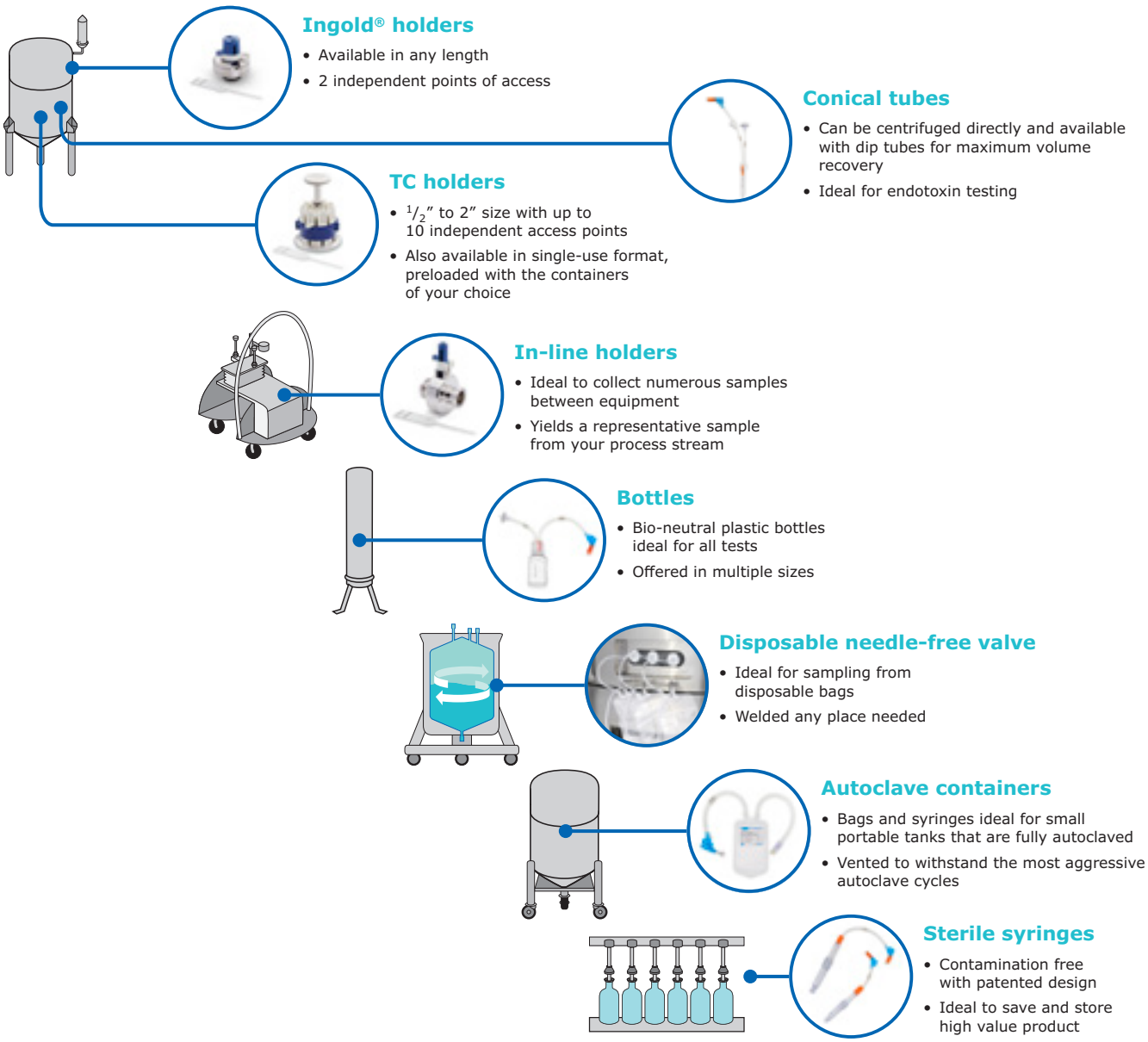
MERCK

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



Ingold® holders
- Available in any length
- 2 independent points of access

Conical tubes
- Can be centrifuged directly and available with dip tubes for maximum volume recovery
- Ideal for endotoxin testing

TC holders
- $^1/_2$" to 2" size with up to 10 independent access points
- Also available in single-use format, preloaded with the containers of your choice

In-line holders
- Ideal to collect numerous samples between equipment
- Yields a representative sample from your process stream

Bottles
- Bio-neutral plastic bottles ideal for all tests
- Offered in multiple sizes

Disposable needle-free valve
- Ideal for sampling from disposable bags
- Welded any place needed

Autoclave containers
- Bags and syringes ideal for small portable tanks that are fully autoclaved
- Vented to withstand the most aggressive autoclave cycles

Sterile syringes
- Contamination free with patented design
- Ideal to save and store high value product

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

Standard or custom, standalone or preloaded options

Pick your holder

TC

Ingold®

In-line

Custom

Pick your single or multi sampling unit

Syringe

Conical Tube

Bottle

High purity bag/ autoclave bag

Single-use, preloaded

Multi-sampling option

Install

Collect sample

Clean and sterile cut detaches sample container for QC lab

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.

NovaSeptum® GO Sterile Sampling options

High purity bag single and multi-sampling units are available from 50 to 1000 mL.

Autoclavable bag single sampling units are available in 50, 100, 250 and 1000 mL.

Bottle single and multi-sampling units are available in 60 to 500 mL.

Conical tube single and multi-sampling units are available in 15 mL with or without Dip Tube, in different tubing materials (C-Flex® and Thermoplastic)

Transfer units are available in different tubing materials (Thermoplastic, Silicone, and C-Flex®).

AV single and multi-sampling units are available in 5 mL and 20 mL syringe sizes.

Single-use holder is available pre-loaded with high purity or autoclavable bags, bottles or AV syringe.

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	Septum: Platinum-cured silicone; Body: Polyester; Cannula: ASTM 316 L Stainless steel					
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	Septum with a 2 mm needle					
Outlet Tubing	Tubing: 3-piece Luer-Lok™, containing a male, female and an injection site	Tubing: Male Luer-Lok™ with female cap	Cap	Cap	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 materials, in contact with sampling liquid, meet the criteria for Class VI testing based on USP <88> Biological Reactivity, *in vivo*.					
Integrity Testing	Units are integrity tested at regular intervals during manufacturing.					
Assembly	Assembled under ISO Clean Room Class 8 conditions in a facility certified to ISO 14644-1 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
Bacterial Endotoxin	Aqueous extraction contains <2.15 EU per device as determined using the Limulus Amebocyte Lysate (LAL) test.					

*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.

NovaSeptum® Case	
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	Stainless steel in compliance with ASTM 316
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	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)
Design Temperature:	–80 °C to 135 °C (–112 °F to 275 °F)

NovaSeptum® GO Bag Racks

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
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

Materials of Construction	
Volume Indicator Ruler, Crimped Tube Protector Caps	PVC
First actuation locking tag	Polyamide and stainless steel
Conical Tube Sterile Centrifuge cap	Polypropylene (15mL)
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 ±2.00 x 8.00 ±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.
	High Purity Bags	50 mL	Single	2	50	**E711-10050**
		100 mL	Single	2	50	**E711-10100**
		250 mL	Single	2	50	**E711-10250**
		1000 mL	Single	2	50	**E711-11000**
		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**
	Autoclavable Bags	50 mL	Single	2	40	**E221-00215**
		100 mL	Single	2	40	**E221-00216**
		250 mL	Single	2	40	**E221-C0243**
		1000 mL	Single	2	40	**E221-C0244**
	Bottles	60 mL	Single	2	40	**E871-80060**
		5 x 60 mL	Multi	2	5	**E874-80060**
		125 mL	Single	2	25	**E871-80125**
		5 x 125 mL	Multi	2	4	**E874-80125**
		250 mL	Single	2	20	**E871-80250**
		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**
	Conical tube with dip tube	5 x 15 mL	Multi	2	8	**ED74-80015**
	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**
	Conical tube with dip tube and C-flex® tubing inlet	15 mL	Single	2	40	**5D41-80015**
	Conical tube with dip tube and C-flex® tubing inlet	5 x 15 mL	Multi	2	8	**5D44-80015**
	Syringes	5 mL	Single	2	50	**E461-90005**
		5 x 5 mL	Multi	2	5	**E464-90005**
		20 mL	Single	2	40	**E461-90020**
		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.
	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**
	N/A	2	1000 mm C-Flex®	3-piece Luer-Lok™	50	**E541-00020**

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.
	50	442 x 275 mm (17.4 x 10.8 in.)	36 mm (1.4 in.)	25	E711-10050	E714-10050	**NSF-10100**
	100				E711-10100	E714-10100	
	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 EP+Glass Blasted, Fully Machined		1	25 mm (.5 in.)	.5 in. (ASTM)	**EP12/127x94-3D5**
				.75 in. (ASTM)	**EP12/191x158-3D5**
				13 mm (DIN)	**EP12/130x100-3D5**
				19 mm (DIN)	**EP12/190x160-3D5**
In-line Butt-end Holder EP+Glass Blasted, Fully Machined		1	N/A	.5 in. (ASTM)	**EP12/127x94-3D4**
				.75 in. (ASTM)	**EP12/191x158-3D4**
				13 mm (DIN)	**EP12/130x100-3D4**
				19 mm (DIN)	**EP12/190x160-3D4**
TC Holder EP+Glass Blasted, Fully Machined		1	25 mm (.5 in.)	N/A	**ET12/2-3D0**
		5	50.5 mm (1.5 in.)	N/A	**ET52/5-3D0**
		9	64 mm (2 in.)	N/A	**ET92/6-3D0**

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

*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.
	NovaSeptum® GO AV Accurate Volume Sampling Unit	20	5 Single Sampling Unit	4	**E5SU461-90020**
		5	5 Single Sampling Unit	6	**E5SU461-90005**
	NovaSeptum® GO High Purity Sampling Unit	50	5 Single Sampling Unit	6	**E5SU711-10050**
		100	5 Single Sampling Unit	6	**E5SU711-10100**
		250	5 Single Sampling Unit	5	**E5SU711-10250**
		1000	5 Single Sampling Unit	4	**E5SU711-11000**
	NovaSeptum® GO Bottle Sampling Unit	60	5 Single Sampling Unit	6	**E5SU871-80060**
		125	5 Single Sampling Unit	4	**E5SU871-80125**
		250	5 Single Sampling Unit	3	**E5SU871-80250**
		500	5 Single Sampling Unit	2	**E5SU871-80500**
	NovaSeptum® GO AV Accurate Volume Sampling Unit	20	9 Single Sampling Unit	2	**E9SU461-90020**
		5	9 Single Sampling Unit	3	**E9SU461-90005**
	NovaSeptum® GO High Purity Sampling Unit	50	9 Single Sampling Unit	3	**E9SU711-10050**
		100	9 Single Sampling Unit	3	**E9SU711-10100**
		250	9 Single Sampling Unit	3	**E9SU711-10250**
		1000	9 Single Sampling Unit	3	**E9SU711-11000**
	NovaSeptum® GO Bottle Sampling Unit	60	9 Single Sampling Unit	3	**E9SU871-80060**
		125	9 Single Sampling Unit	2	**E9SU871-80125**
		250	9 Single Sampling Unit	1	**E9SU871-80250**

NovaSeptum® GO Preloaded System Starter Kits

Device Description		Qty/Pk	Cat. No.
	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.
	NovaSeptum® Manual Crimping Tool	1	**A100**
	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 Caps 	15	10	**EC71-80015**	**NSCAP15**
			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  NovaSeptum® bag racks are available for single and multi-sampling units	For single sampling units	1-port holder, TC 25/NAC 18	**A002**
		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**
		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**
		Ingold® holder	**A010**
		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

MK_DS4071EN Ver. 3.0
43193
05/2023