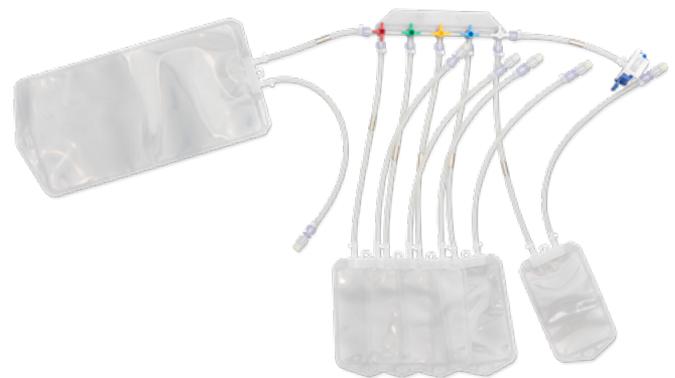


NovaSeptum® SURE Sterile Sampling Assemblies

Standard, closed, and sterile sampling assemblies for your single-use manufacturing processes

NovaSeptum® SURE single-use sterile sampling assemblies are designed to protect your single-use process from potential cross-contamination ensuring representative samples. This flexible sampling assembly can be easily integrated throughout your single-use manufacturing process via a standard AseptiQuik® S connector or C-Flex® tubing for heat welding. The closed assembly ensures your sample will be isolated from point of sample to analysis, reducing the risk of contamination. The NovaSeptum® SURE assemblies come as manifold with five containers in popular formats. These assemblies are stocked and ready-to-ship, enabling fast delivery to your site.



Features

- Product design ensures process integrity and a representative sample from single-use manufacturing processes.
- Industry-standard C-Flex® tubing or AseptiQuik® S connection allows aseptic connection and disconnection to any single-use process.
- Range of options: manifolds of 5 containers available in bags, bottles, accurate volume syringes, or conical tubes to suit your specific quality control requirements.
- Ideal for sterility, bioburden and endotoxin testing, chemical analysis, pH analysis and any other quality testing requirement.

Easy connection to your single-use process

NovaSeptum® SURE sterile sampling assemblies can be attached to any single-use system, making it versatile and convenient to collect samples from your existing process. The AseptiQuik® S genderless connector enables fast and easy fluid transfer. Alternatively use the C-Flex® tubing option to heat weld for a sterile connection or to connect via a luer or a SmartSite™ clean connector.



Monitoring your single-use process

Various container types tailored for your sampling need

We understand the importance of sampling **small volumes** in order to minimize cost and save high-value product. Our accurate volume syringe is designed to take small samples from 1 mL to 20 mL enabling operators to directly dispense sample products with milliliter accuracy. For **endotoxin testing**, our 15 mL conical tube, made from polystyrene, is ideal. For **larger volumes**, we offer 100 mL high purity bags, and 60 mL bottles.

Representative samples

Representativity is one of the most critical aspects of sampling. NovaSeptum® SURE sterile sampling assemblies are completely closed ensuring your sample and process are safe from cross-contamination.

Robust protection during transport, storage, and freezing

Our NovaSeptum® case is designed for high purity bags to protect your sample during freezing, storage, and transportation.

Component Specifications

NovaSeptum® SURE Sterile Sampling Assemblies

	High-purity Bag	Bottle	Conical Tube	Syringe
Sampling Unit Volume	100 mL	60 mL	15 mL	5 and 20 mL
Maximum Pressure Conditions (at 25 °C)*	0.30 bar (4.35 psi)	0.30 bar (4.35 psi)	0.50 bar (7.25 psi)	0.50 bar (7.25 psi)
Temperature Range (Storage)				
C-Flex® designs	-80 (when used with a NovaSeptum® Case) to 50 °C (-112 to 122 °F)	-80 to 50 °C (-112 to 122 °F)**	2 to 60 °C (35 to 140 °F)	-20 to 50 °C (-4 to 122 °F)
AseptiQuik® S designs	4 °C and 40 °C (39 °F and 104 °F)			
Materials of Construction				
Drainage Sampling Bag	Polyethylene film (PureFlex™ film)			
Fluid Contact Layer	Polyethylene film (PureFlex™ film)	Polyethylene Terephthalate Glycol	Polystyrene	Polycarbonate, platinum-cured silicone, medical silicone fluid
AseptiQuik® S connector	Polycarbonate			
Tubing	Thermoplastic elastomer (TPE)	TPE	TPE	Silicone
Cap	N/A	Polypropylene	Polyethylene	N/A
Fittings				
AseptiQuik® S Inlet Tubing	TPE	Cap	Cap	Female and male Luer-Lok™
Outlet Tubing for AseptiQuik® S and C-Flex® designs	3-piece Luer-Lok™ containing a male, female, and an injection site			
Autoclaving***	Not autoclavable			
Biological Reactivity	All component materials, in contact with sampling liquid			
Integrity Testing	Units are integrity tested at regular intervals during manufacturing.			
Assembly Condition	Assembled under ISO 8 classified cleanroom in a facility certified to ISO 14644-1 standards.			
Bacterial Endotoxin	Aqueous extraction contains < 2.15 EU per device as determined using the Limulus Amebocyte Lysate (LAL) test.			
Sterilization				
C-Flex® Tubing Designs	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
AseptiQuik® S Connector Designs	Gamma irradiation at 25-40 kGy according to ISO 11137			

NovaSeptum® Case

Materials of Construction

Case	Amorphous Polyethylene Terephthalate (APET) noble
Maximum Pressure Conditions	0.50 bar
Operating Temperature	-80 to 37 °C (-112 to 98.6 °F)

Miscellaneous Accessories

Materials of Construction

Volume Indicator Ruler, Crimped Tube Protector Caps	PVC
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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)

Dimensions	Thickness (µm)	Volume (mL)	Length x Width (mm)
Volume Indicator Ruler	200 ±20	100	169 ±1 x 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

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

** Freeze sampling bottle vertically.

*** Autoclaving can only be performed on empty bags.

Ordering information

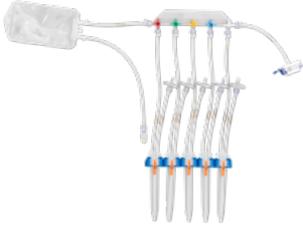
Case

Device Description	Sample Volume (mL)	Length x Width (open)	Height	Qty/Pk	Compatible Bag Cat. No.	Cat. No.
	100	442 x 275 mm (17.4 x 10.8 in.)	36 mm (1.4 in.)	25	5744-10100 AC714-10100	NSF-10100

Accessories

Device Description	Volume (mL)	Qty/Pk	Cat. No.
 NovaSeptum® Manual Crimping Tool		1	A100
 NovaSeptum® Manual Crimping Tool Spare Part Kit		1	A104
Crimped Tube Protector Caps		100	NSTP-3X6
Volume Indicator Ruler for High Purity Bags	100	50	NSRULER-10100

Sampling assemblies. All sampling units are manifolded.

Products	Sample Volume (mL)	Connection Type	Qty/ Pack	Cat. No.
 NovaSeptum® SURE High Purity Bag Sampling Assemblies	100	Inlet C-Flex® tubing	5	5744-10100
		AseptiQuik® S connector	8	AC714-10100
 NovaSeptum® SURE Bottle Sampling Assemblies	60	Inlet C-Flex® tubing	5	5844-80060
		AseptiQuik® S connector	5	AC874-80060
 NovaSeptum® SURE Accurate Volume Syringe Sampling Assemblies	5	Inlet C-Flex® tubing	5	5444-90005
		AseptiQuik® S connector	5	AC464-90005
	20	Inlet C-Flex® tubing	5	5444-90020
		AseptiQuik® S connector	4	AC464-90020
 NovaSeptum® SURE Conical Tube Sampling Assemblies	15	Inlet C-Flex® tubing	8	5C44-80015
		AseptiQuik® S connector	8	ACC74-80015

To place an order or receive technical assistance

Please visit: SigmaAldrich.com/offices

For additional information or place an online order, please visit
SigmaAldrich.com/sterilesampling

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