MERCK MILLIPORE

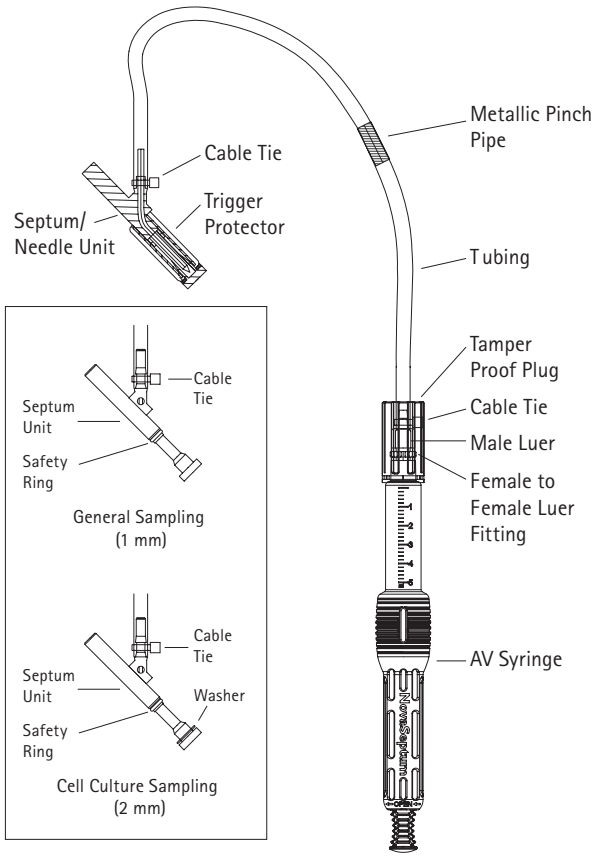
Specification Sheet

NovaSeptum® AV Accurate Volume Sampling Unit

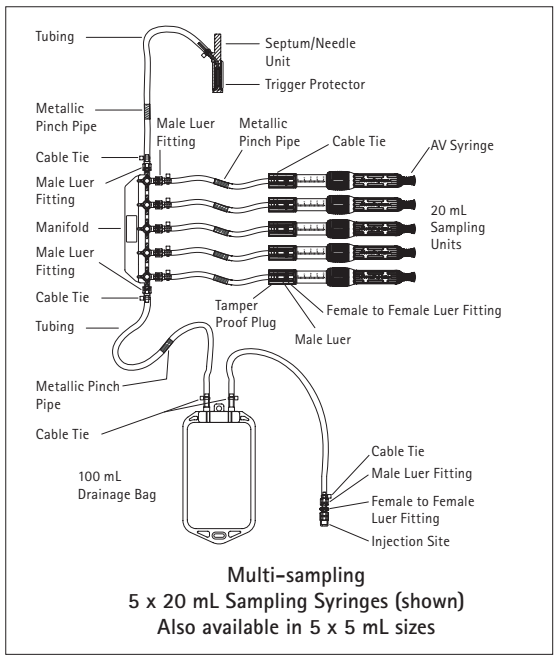
Product Description

The NovaSeptum® AV Sampling Unit is intended for applications where small and accurate volumes are required. This sampling unit is available with a 1 mm needle for general sampling or a 2 mm needle for cell culture sampling and must be used with a NovaSeptum® holder. For single-use only, it is important to note that the needle may only penetrate the septum once to ensure proper sealing. A certificate of quality is included in each box.

NovaSeptum® AV Sampling Unit Configuration



Single Sampling
5 mL Sampling Syringe (shown)
Also available in 20 mL sizes



Multi-sampling
5 x 20 mL Sampling Syringes (shown)
Also available in 5 x 5 mL sizes

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Specifications

Materials of Construction	
Sampling Unit	Polycarbonate Medical grade, platinum-cured silicone Medical silicone fluid
Septum	Medical grade, platinum-cured silicone
Septum Body	1 mm green polyester 2 mm blue polyester
Septum Cannula	ASTM® 316 L stainless steel
Tubing	Medical grade, platinum-cured silicone Medical grade, Thermoplastic Elastomer (drainage bag only)
Metallic Pinch Pipe	Nickel plated brass
Male Luer Fitting, Female Luer Fitting	PVDF (Polyvinylidene Fluoride)
Cable Tie	Nylon
Washer	Stainless steel
Injection Site	Polycarbonate/Polyisoprene
Trigger Protector, Tamper Proof Plug	Polypropylene
Safety Ring (For autoclavable single units in 1 mm and 2 mm and non-autoclavable multi units in 1 mm)	Stainless steel
Multi-sampling	
Manifold	Polysulfone/Polyethylene
Drainage Bag*	Polyethylene film/PureFlex™ film

Dimensions	
Accuracy	±5% of maximum volume
Graduations	0.2 mL (5 mL size) – 1 mL (20 mL size)

Environmental	
Maximum Operating Pressure	Withstand 0.50 bar (7.25 psi) at 25 °C (77 °F)
Operating Temperature	Single 5mL: -80 to 134 °C (-112 to 273 °F) Single 20mL: -80 to 121 °C (-112 to 250 °F) Multi: -20 to 50 °C (-4 to 122 °F)
Autoclave Guidelines	Max ramp of 650 mbar/min variation Vacuum cycle minimum -960 mbar 5 mL units may be autoclaved for one cycle of 60 minutes at 134 °C. 20 mL units may be autoclaved for one cycle of 60 minutes at 121 °C.
Traceability	The product and packaging label includes the catalogue and lot number as well as the expiration date.
Sterilization	Beta Irradiation (e-beam) minimum 25 kGy according to ISO® 11137
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	This product is manufactured in a clean room environment complying with class 8 according to ISO® 14644-1.
Packaging	**Single sampling units (5 mL):** five sampling units are packaged in one double bag. Five of these double bags are packaged in a single bag. Two of these single bags are packaged in a cardboard box. **Single sampling units (20 mL):** five sampling units are packaged in one double bag. Four of these double bags are packaged in a single bag. Two of these single bags are packaged in a carboard box. **Multi-sampling units:** one sampling unit is packaged in one double bag. Five of these double bags are packaged in a single bag and then in a cardboard box.

* Do not fill the 100 mL drainage bag with more than 100 mL. Use the flow rates in the User Guide to determine when the drainage bag is filled with 100 mL.

Ordering Information

NovaSeptum® AV Accurate Volume Sampling Unit

Sample Volume (mL)	Sampling Unit	Needle Size (mm)	Qty/pk	Catalogue No.
5	Single	1	50	1461-90005
5 x 5	Multi	1	5	1464-90005
20	Single	1	40	1461-90020
5 x 20	Multi	1	5	1464-90020
5	Single	2	50	2461-90005
5 x 5	Multi	2	5	2464-90005
20	Single	2	40	2461-90020
5 x 20	Multi	2	5	2464-90020

To Place an Order or Receive Technical Assistance

In the U.S. and Canada, call toll-free 1-800-645-5476

For other countries across Europe and the world, please visit www.millipore.com/offices

For Technical Service, please visit www.millipore.com/techservice

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