

MILLIPORE

# NovaSeptum® AV

Accurate Volume  
Sterile Sampling  
System

**A closed, easy-to-use system  
for accurate, small-volume  
sampling of your high-value  
biotherapeutics**





# The NovaSeptum AV System

is specifically designed to meet your sampling demands in the production of today's high-value biotherapeutic products.

The ability to accurately sample at small volumes with minimal waste of your valuable drug increases final product yield.

The NovaSeptum AV system is a closed, accurate sampling system that enables your production personnel to obtain small-volume product samples easily and efficiently without the risk of cross contamination.



## Eliminate the Risk of Cross Contamination

The closed design of the NovaSeptum AV sterile system reduces the risk of cross contamination and increases sampling efficiency. Unlike traditional sampling systems that often expose the sample to the environment, the NovaSeptum AV system ensures that your drug product and sample are always enclosed in a closed, sterile environment. Its unique design eliminates the risk of false positives while assuring the safety of your product, sample and analyst.

## Obtain Accurate Sample Volumes without Aliquoting

The NovaSeptum AV sterile sampling system enables your production personnel to obtain consecutive individual small-volume samples for immediate in-process testing or distribution to appropriate QC personnel for additional testing. With the ability to obtain the specific sample volumes required for each quality control test directly at the bioreactor, aliquoting individual samples in the lab is eliminated. The elimination of the aliquoting step further reduces the risk of cross contamination as well as potential product waste. NovaSeptum AV syringes containing the appropriate sample volumes can be provided to each lab for testing including general chemistry, bioburden sterility, endotoxin, pH/conductivity, bioanalysis, stability, as well as other product-specific tests.



## Dispense Valuable Product Easily and Accurately

The unique syringe design of the NovaSeptum AV sterile system allows your QC personnel to directly dispense sample product with milliliter accuracy. This level of accuracy improves sampling efficiency while reducing potential product waste. The NovaSeptum syringe can also be stored until sample testing is required, for added protection and convenience.



An easy and safe sterile sampling system without the risk of **cross-contamination**



**Sample**



**Store**

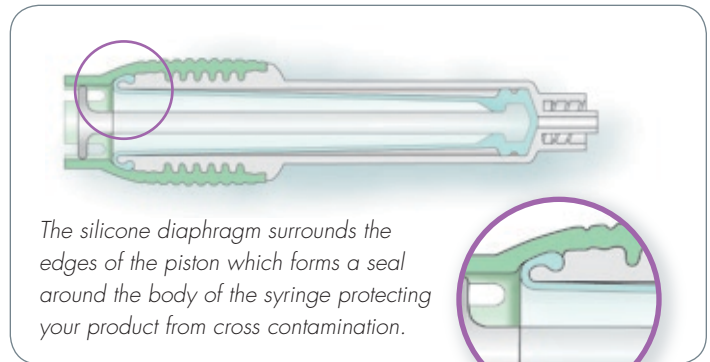


**Dispense**

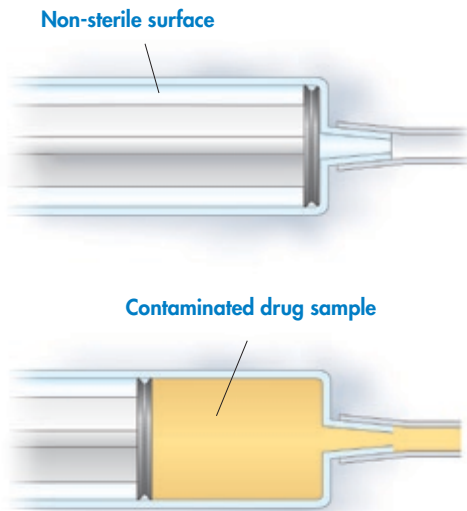
*Don't waste your valuable product with over sampling or false positives. The sterile, closed NovaSeptum AV system delivers accurate volume sampling without the need for aliquoting.*

# A Closed, Safe and Easy-to-Use Sampling System

*The patent pending design of the NovaSeptum AV system ensures that your drug sample is always in a sterile environment. Compared to a conventional syringe in which liquid comes into contact with a non-sterile surface after retraction of the piston, the NovaSeptum AV system holds the liquid within a totally-closed area.*

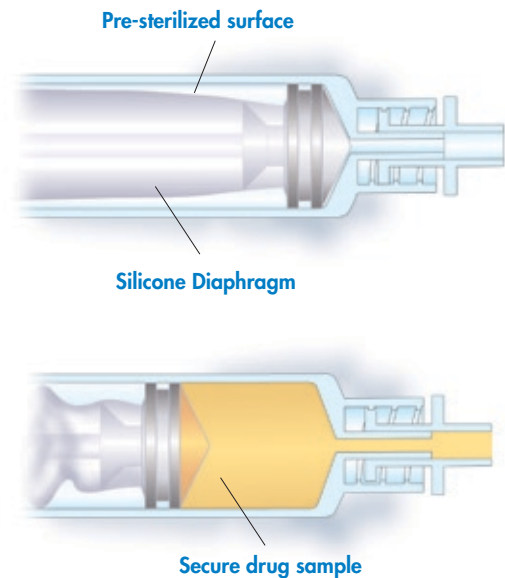


## Conventional Syringe



*The non-sterile surfaces of the open design makes it impossible to keep the area sterile after opening the barrier. Drug product will be in contact with the non-sterile surface when the piston is in the retracted position.*

## NovaSeptum AV Syringe



*The NovaSeptum AV syringe, with its unique patent pending design of the silicone diaphragm, keeps the drug product in a closed area even when fully retracted.*

# The NovaSeptum Sterile Sampling Method

The NovaSeptum sampling systems are designed to meet the challenges of aseptic sampling. Offering a sterile, disposable and closed sampling environment, the NovaSeptum product line eliminates the need to clean and sterilize traditional sampling containers. The NovaSeptum sampling method ensures that your drug product is secure from point of sampling to analysis, eliminating the risk of cross contamination.

The NovaSeptum product family includes the NovaSeptum AV units for small, accurate volume sampling as well as the standard NovaSeptum units for sampling up to 1000 milliliters. The NovaSeptum sampling method will change the way you think about sampling.



## To Place an Order or Receive Technical Assistance

For additional information call your nearest Millipore office:

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

In the U.S., Canada and Puerto Rico, fax orders to  
**1-800-MILLIFX (1-800-645-5439)**

Outside of North America, contact your local office. To find the office nearest you: [www.millipore.com/offices](http://www.millipore.com/offices)

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Tech Service: [www.millipore.com/techservice](http://www.millipore.com/techservice)

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