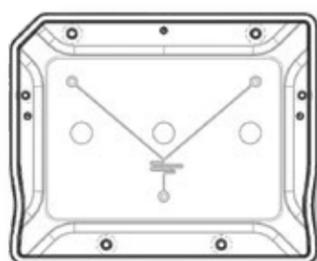


EXPERT TIPS

How to Get the Most Out of Your NanoAssemblr® Benchtop



What are the risks of using my Benchtop Cartridge multiple times?



Overusing a cartridge may jeopardize experimental results. Cartridges can become blocked, which may cause loss of material and damage to the instrument. Cartridge overuse also increases the risk of cross contamination.

Recommendation: We suggest cartridge use is limited to a maximum of 5 formulation runs.



How long should I use a cartridge?

Prolonged storage after initial use may affect cartridge performance. Cartridge lifetime may be affected by the type of solvent used, the presence of residual nanoparticle materials, and the storage conditions. The risk of biological contamination can also increase over time.

Recommendation: Consider replacing cartridges 7 days after first use.

Have you heard of issues or problems with sharing cartridges between projects or nanoparticle types?

Experimental failure may occur due to contamination. Avoid cross-contamination by limiting cartridge use to individual nanoparticle formulations.



Recommendation: If possible avoid sharing cartridges between projects or nanoparticle types.

I have several critical formulations planned. What are the best practices for cartridge usage?



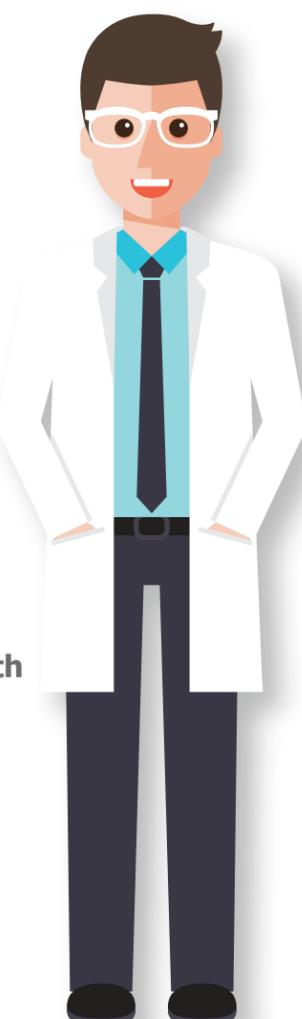
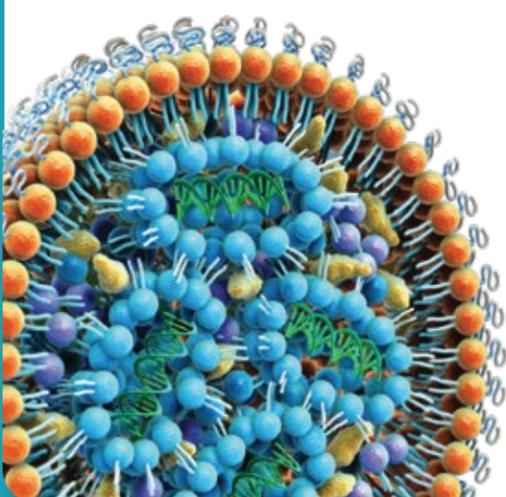
A new cartridge should be used when making nanoparticles with sensitive or scarce materials, when using the nanoparticles for in vivo studies, or when generating critical data.

Recommendation: Consider using a cartridge for one use only to minimize risk when making nanoparticles for critical and/or expensive studies

What are the best practices for running the NanoAssemblr Benchtop?

The Benchtop instrument should be turned on before powering up the computer and launching the NanoAssemblr software. It is important to follow this procedure to ensure the correct operation of the instrument.

Recommendation: Periodically power down and restart both the instrument and computer to ensure optimal instrument performance.



What syringes do you recommend?

BD Luer Slip syringes*

- 309659 1-mL Slip Tip
- 309656 3-mL Slip Tip
- 309647 5-mL Slip Tip
- 301604 10-mL Slip Tip

*Product description/# may vary by region. Check with your Field Application Scientist or email us at info@precision-nano.com

