

Nanopartz Recommended Storage and Handling

Storage

Table 1 Maximum shelf life times for Nanopartz products by family

Product	Shelf Life	Storage
All bare spherical, nanorod, microgold	6 months	4C
Functionalized products	3 months	4C
Organic	3 months	4C
Bare Nanowires	6 months	room temp

Do not freeze the nanoparticle products. In general once conjugated, neutravidin and custom conjugations should see much greater shelf lives than when left unconjugated. For the longest shelf life, leave the functionalized products in their concentrated form and remove only what is immediately needed.

Disposal

We recommend the customer consult their in house or local health and safety office. Please consult the specific SDS for that product.

Handling

Some of our products may reversibly aggregate and settle with time in storage. In these cases, these particles may be resuspended by sonication for five minutes, followed by a two minute vortex.

In shipping, sometimes particles get lodged in the cap of the microcentrifuge container. A quick and easy solution is to put the tube on a vortex mixer for 3-5 seconds. Then centrifuge at less than <1000 revs/min for 30 seconds. This should recollect any particles back into the bulk reservoir.

Dilution

Table 2. Recommended dilution buffers and methods

Product	Dilution Recommendation
Adsorbed Ligand	Please match the concentration of the adsorbed ligand specified on the COA
Functionalized, In Vitro	18 MEG DI Water, any salt based buffer
Organic Spherical, Nsol	Dilute with your choice of organic solvent

Checking viability

To check the viability of the solutions, test the material using a UV VIS and match the spectrum to the original COA. Go here: <https://www.nanopartz.com/gold-nanoparticles-expiration-date.asp>.

SDS

All Nanopartz SDS' may be found on the web at <https://www.nanopartz.com/sds.asp>.

Product Use

Customer confirms that the products ordered will only be used by trained personnel in laboratories equipped for this purpose and are NOT PURCHASED FOR PERSONAL USE. Furthermore the products ordered will only be employed for Research Purposes or for In Vitro Diagnostic Use in case the products have been certified for this purpose. The user is acquainted with the use of these products and is aware of relevant regulations.

Terms and Conditions

Terms and Conditions are listed here: <https://www.nanopartz.com/legal.asp>.