NNT Silver

PRODUCT LINE

$Absorbance_{max}$	FWHM	Molar Concentration	Concentration (w/v)
420 nm	~ 120-140 nm	0.8 μM	1 mg/mL

Characterization

NNT Silver nanoparticles are metal nanoparticles that are sold dispersed in an aqueous solution. The nanoparticles are 2-10 nm in size and are surrounded by a polymer coating that makes them water-dispersible. NNT Silver nanoparticles have a distinct plasmon peak and are ideal for applications that require stable, ultrasmall, water-dispersible silver nanoparticles. NNT Silver nanoparticles are carboxyl-terminated and can be conjugated to other materials using standard EDC (carbodiimide) coupling chemistries.

Note that water-dispersible NNT Silver is provided at a concentration of 0.8 μM in distilled water and can be diluted appropriately for specific applications. They can also be purchased as a powder for applications where long-term storage is important (please inquire for details).

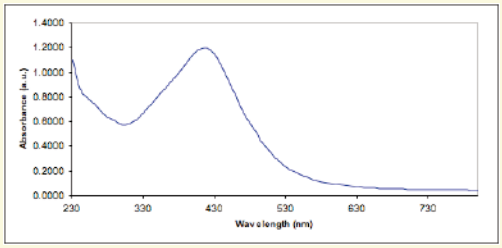

Figure 1: Absorbance characteristics of NNT Silver in the ultraviolet region.

Usage Conditions

NNT Silver nanoparticles function best under moderate conditions. They can degrade at highly acidic pH (< 4) and are best kept at or below room temperature. Note that NNT Silver may stain glass or other labware; for best results, use in dilute conditions and use disposable glassware. For inquiries about your specific conditions, please contact **support@nntech.com**

Pricing Information: Test Kits

Product	Amount	Cost ($USD)
NNT Silver	100 mL	$205
	200 mL	$400
	500 mL	$900
	1 L	$1700

CONSULT WITH US! NNT will work with users to get the best possible results from our materials. Contact us for details about our consulting services!

Specification Sheet

www.nntech.com

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