

NNT Lead Yellow

PRODUCT LINE

Absorbance _{max}	FWHM	Molar Concentration	Concentration (w/v)
375 nm	~ 70 nm	4 μ M	1 mg/mL

Characterization

NNT Lead Yellow nanoparticles are bright yellow nanoparticles that are sold dispersed in a water-based solvent. The nanoparticles are 2–10 nm in size and are surrounded by a polymer coating that makes them water-dispersible. NNT Lead Yellow nanoparticles have very narrow spectral characteristics and are ideal for applications that require a distinct, bright, water-dispersible yellow pigment. NNT Lead Yellow is carboxyl-terminated and can also be conjugated to other materials using standard EDC (carbodiimide) coupling chemistries.

Note that water-dispersible NNT Lead Yellow is provided at a concentration of 4 μ M 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).

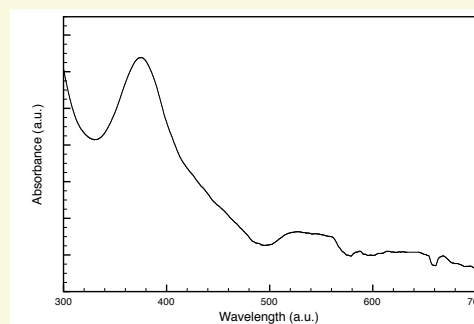


Figure 1: Absorbance characteristics of NNT Lead Yellow.

Usage Conditions

NNT Lead Yellow nanoparticles function best under moderate conditions. They can degrade at highly acidic pH (< 4) and are best kept at or below room temperature. They are incompatible with oxidizers, hydrazine, sodium, potassium, aluminum, and iron (III) hexacyanoferrate (IV) (i.e. Prussian Blue). Note that NNT Lead Yellow 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

	Product	Amount	Cost (\$USD)
Pricing Information: Test Kits	NNT Lead Yellow	100 mL	\$205
		200 mL	\$400
		500 mL	\$900
		1 L	\$1700

CONSULT WITH US! As part of a limited-time offer of these materials, NNT will include a pre-use consultation with potential users as well as a troubleshooting session during their use. Contact us for details!

Specification Sheet



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