

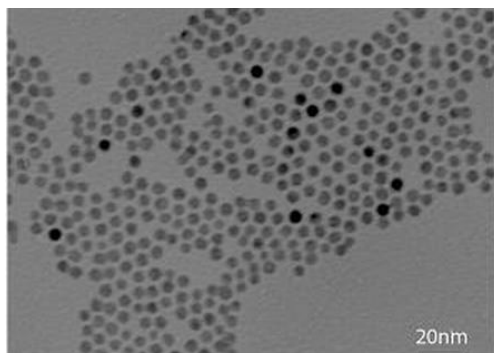
## Gold nanoparticles with positively charged PEI ([Catalog # GPI](#))

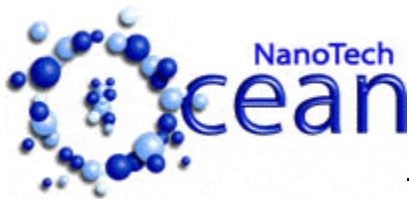
**Description:** GPI is a group of water soluble gold nanocrystals with polyethylenimine (PEI) surface. The zeta potential of GPI is from -30mV to -50mV. The total thickness of the organic layers is about 10 nm. The hydrodynamic size of the nanocrystals is about 20 nm larger than their inorganic core size measured by TEM.

<b>Catalog number:</b>	GPI
<b>Product name:</b>	Gold nanoparticles with positively charged PEI
<b>Solvent:</b>	DI H <sub>2</sub> O
<b>Reactive group:</b>	Amine
<b>Storage:</b>	4-25°C; Do not freeze.
<b>pH stability:</b>	4-10
<b>Buffer stability:</b>	Stable in Borate, Tris, HEPES, PBS, MES.
<b>Shelf life:</b>	6 months
<b>Concentration:</b>	20 OD (Au)

<b>Au size (nm):</b>	6
<b>Size tolerance (nm):</b>	2
<b>Size distribution:</b>	5%
<b>Molar concentration (M) (Au):</b>	5.48E-8

TEM image of 6 nm Au nanoparticles





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Current versions of product instructions are available at [www.oceannanotech.com](http://www.oceannanotech.com). For a faxed copy, call 479-431-4130 or 479-751-5500.

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