

Water soluble gold nanoparticles ([Catalog # GPN](#))

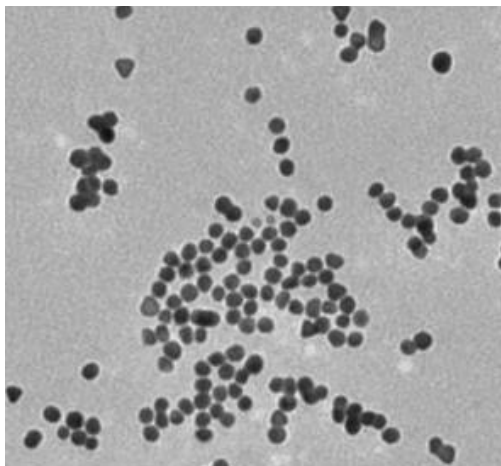
Description: GPN is a group of spherical water soluble gold nanoparticles without functional groups. They are manufactured using traditional water based methods that result in improved quality in terms of size tunability, monodispersity and crystallines structrue.

These particles are bare and are available capped with functional groups for further modification by protein and other thiol derived molecules.

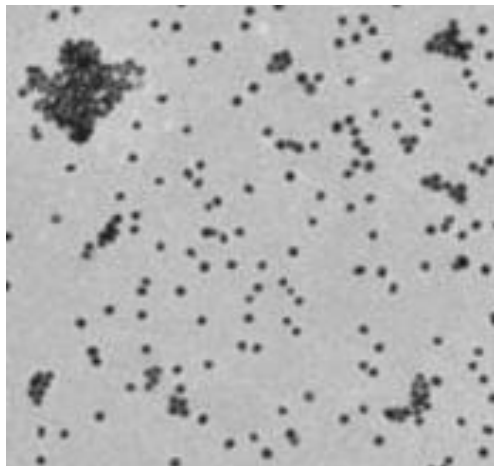
Catalog number:	GPN
Product name:	Gold nanoparticles without functional group.
Solvent:	DI H ₂ O
Reactive group:	Carboxylic acid
Storage:	4-25°C; Do not freeze.
pH stability:	4-10
Buffer stability:	Stable in Borate, Tris, HEPES, PBS, MES.
Shelf life:	6 months
Concentration:	1 OD (Au)

Au size (nm):	15	20	25	30	35	40	45
Size tolerance (nm):	5	5	5	5	10	10	10
Size distribution:	<15%	<15%	<15%	<15%	<15%	<15%	<15%
Molar concentration (M) (Au):	4.58E-9	1.55E-9	4.12E-10	2.67E-10	1.44E-10	1.01E-10	6.67E-11
Au size (nm):	50	60	70	80	90	100	
Size tolerance (nm):	10	10	10	15	15	15	
Size distribution:	<15%	<15%	<15%	<15%	<15%	<15%	
Molar concentration (M) (Au):	4.49E-11	2.53E-11	1.36E-11	1.12E-11	8.14E-12	2.72E-12	

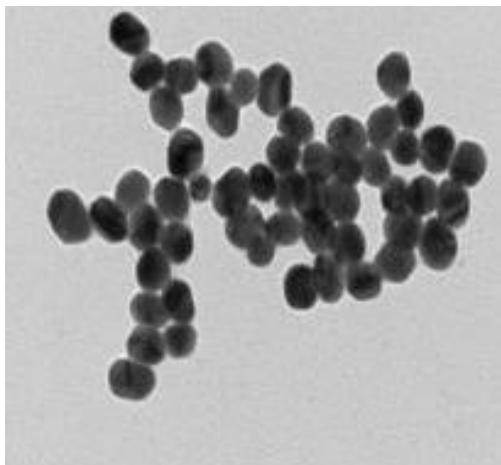
TEM image of 15 nm Au nanoparticles



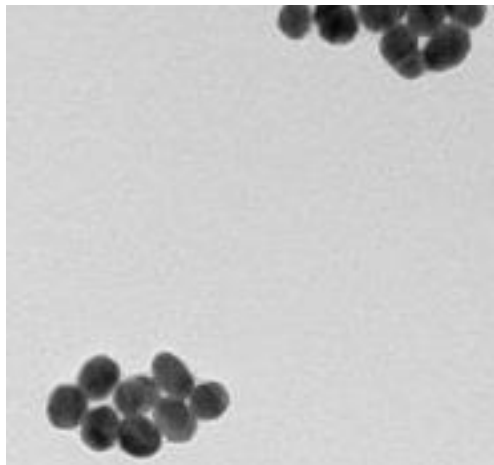
TEM image of 20 nm Au nanoparticles



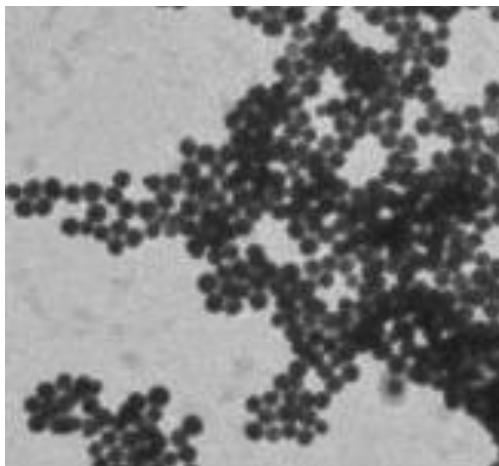
TEM image of 25 nm Au nanoparticles



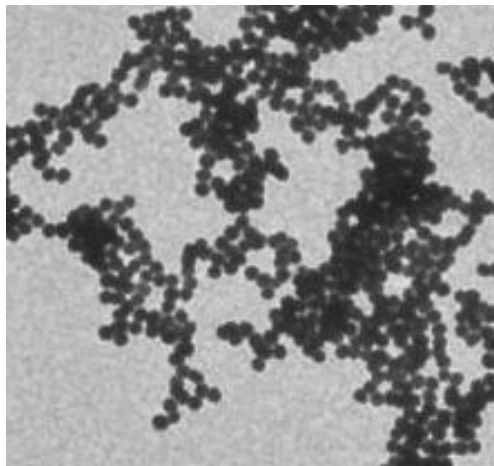
TEM image of 30 nm Au nanoparticles



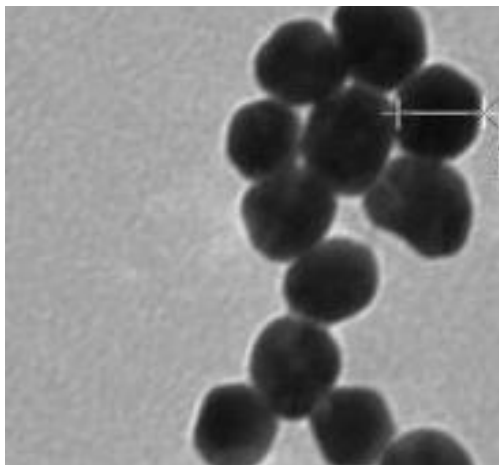
TEM image of 35 nm Au nanoparticles



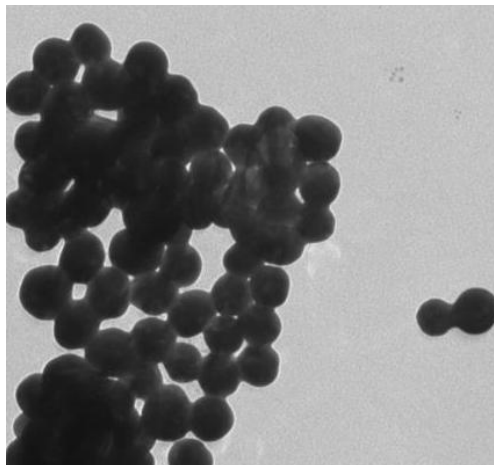
TEM image of 40 nm Au nanoparticles



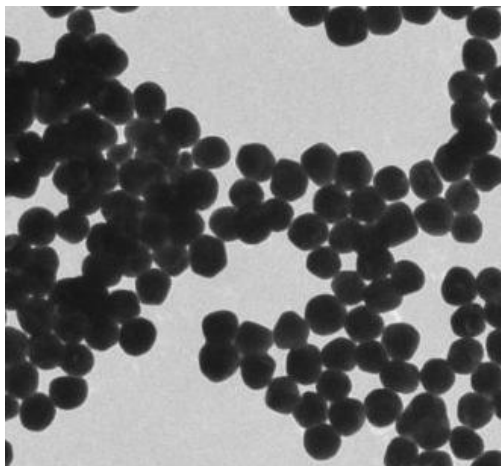
TEM image of 45 nm Au nanoparticles



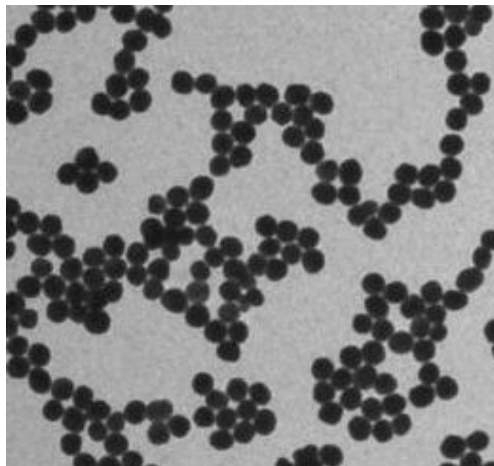
TEM image of 50 nm Au nanoparticles



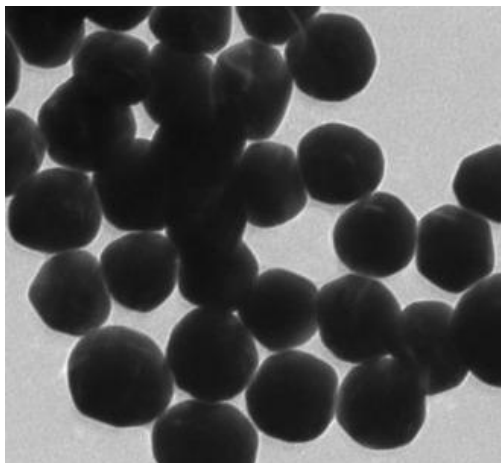
TEM image of 60 nm Au nanoparticles



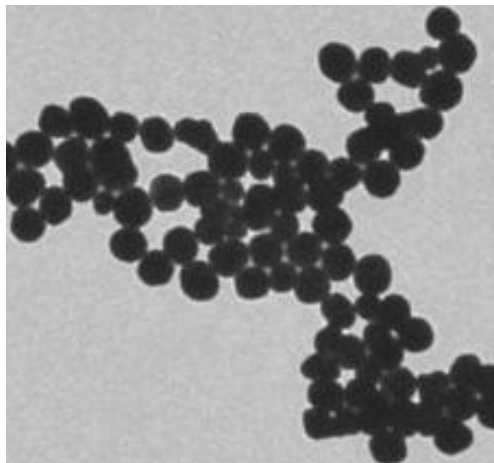
TEM image of 70 nm Au nanoparticles



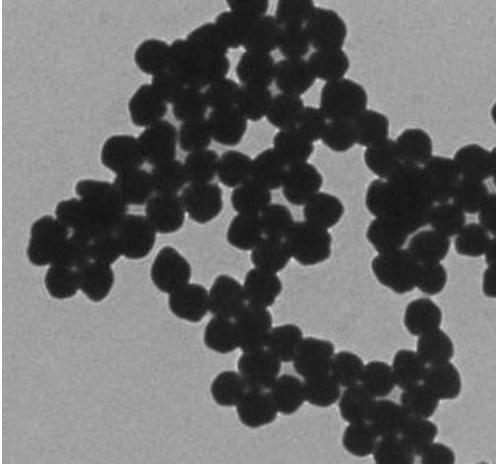
TEM image of 80 nm Au nanoparticles



TEM image of 90 nm Au nanoparticles



TEM image of 100 nm Au nanoparticles



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