

IMRA Au 20 nm

Specifications

Dispersion medium	Water
Average particle size	20 nm
Size tolerance	± 2 nm
Polydispersity	< 1.2
Zeta potential	< -40 mV
Concentration at OD1	1.1 ± 0.5 nM
Particles/mL at OD1	$6.6 \pm 3.0 \times 10^{11}$
Optical density	1, 3
Volume	50, 100, 250 mL
Conductivity	< 10 μ S/cm

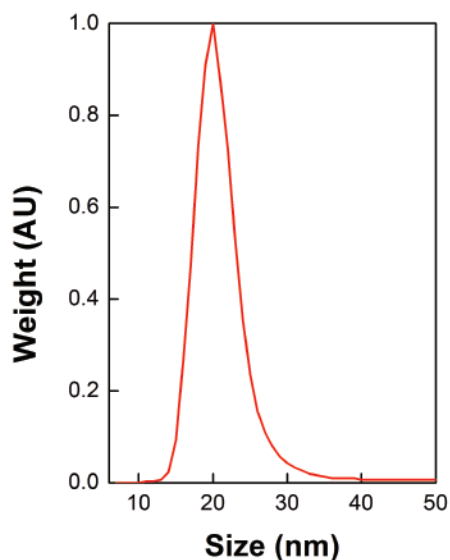
Features

- No capping agents or surfactants
- High biomolecule conjugation efficiency
- Available with numerous functional groups
- Custom conjugation upon request

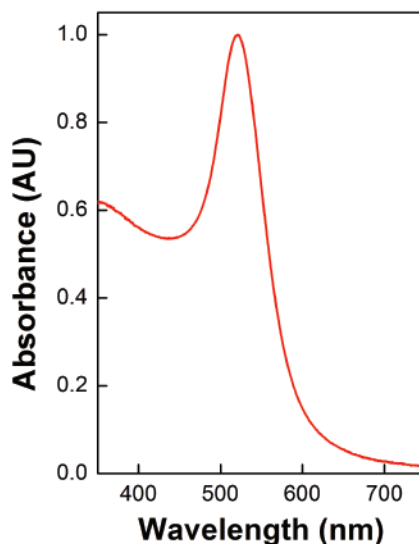
Potential applications

- Immunostaining
- Cellular imaging
- Lateral flow assays
- SERS substrates

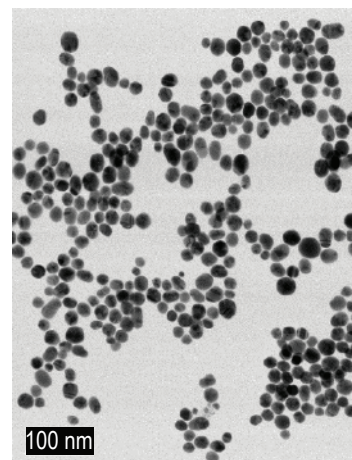
Particle size distribution
(measured by disc centrifuge)



Optical absorption spectrum



Transmission electron micrograph



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