

### 10nm Gold Nanoparticles (10 OD) ab269934

画像数 3

#### 製品の概要

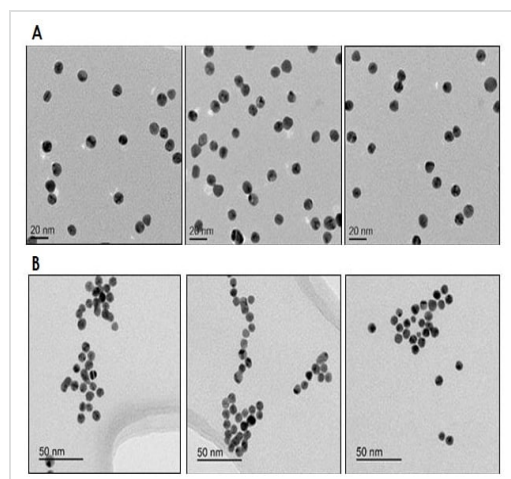
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製品名	10nm Gold Nanoparticles (10 OD)
特記事項	<p>10nm Gold Nanoparticles (10 OD) (ab269934) is an aqueous suspension of spherical metallic nanoparticles manufactured to the highest standard to ensure:</p> <p>Uniform spherical shape Narrow size distribution: 10nm ± 1nm, &lt;10% CV Ultra high quality Batch to batch consistency High efficiency antibody binding for maximum sensitivity Available at high concentrations to simplify assay development.</p> <p>This product is manufactured by Expedeon, an Abcam company. It was previously called 10nm Gold Nanoparticles (10 OD). Expedeon product code 3010-0020 is the same as the 20 mL size of this product and code 3010-0100 is the same as the 100 mL size.</p> <p>Our colloidal Gold Nanoparticles are suspended in citrate buffer and are suitable for:</p> <p>Protein adsorption Oligonucleotide adsorption Surface modifications.</p> <p>Narrow size distribution and consistent shape is important and preferable for most applications.</p> <p>A consistent, spherical shape means that particles are less prone to aggregation, which can be a problem associated with gold nanoparticles. Furthermore uniform shape ensures consistent binding of antibodies, ensuring reliable assay results.</p> <p>Each batch of 10nm colloidal gold undergoes TEM analysis to ensure all the requirements are met.</p> <p>Mean diameter 9–11nm SD &lt;1nm CV% &lt;10% %Irregular Shapes &lt;10%</p>

#### 製品の特性

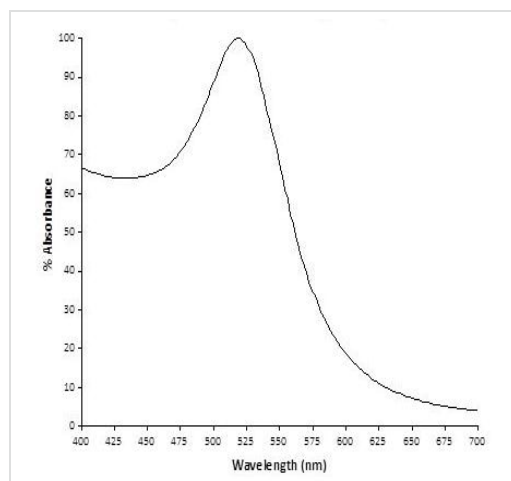
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製品の状態	Liquid
保存方法	Shipped at Room Temperature. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.00 Constituents: 0.00003% Sodium citrate, 0.055% Gold nanoparticles



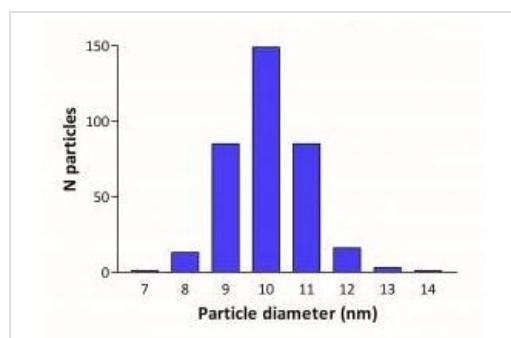
Electron microscopy (TEM) example pictures showing the high consistency of size and shape of 10nm Gold Nanoparticles (10 OD) (ab269934) (A) compared to that of aggregated, irregular shaped and sized gold nanoparticles of a leading competitor (B).

Electron Microscopy - 10nm Gold Nanoparticles (10 OD) (ab269934)



UV-Vis spectrum of 10nm Gold Nanoparticles (10 OD) (ab269934).

Spectrum - 10nm Gold Nanoparticles (10 OD) (ab269934)



Size distribution of 10nm Gold Nanoparticles (10 OD) (ab269934) displaying a narrow size distribution with a CV (standard deviation / diameter) of less than 10%.

Spectrum - 10nm Gold Nanoparticles (10 OD) (ab269934)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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