

Materials List for:

A Simple Method for the Size Controlled Synthesis of Stable Oligomeric Clusters of Gold Nanoparticles under Ambient Conditions

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URL: <https://www.jove.com/video/53388>

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Materials

| Name | Company | Catalog Number | Comments |
|---|------------------------------|----------------|----------|
| 125 ml Wheaton glass bottles | Fisher Scientific | SC-06-404F | |
| Borax (Na ₂ B ₄ O ₇ ·10H ₂ O) | Fisher Scientific | S25537 | |
| Gold(III) Chloride trihydrate | Sigma Aldrich | G4022 | |
| Sodium thiocyanate | Sigma Aldrich | 251410 | |
| Sodium carbonate | Sigma Aldrich | S7795 | |
| Glutathione | Sigma Aldrich | G4251 | |
| Dulbecco's phosphate buffered saline (DPBS) | Corning | 21-031-CV | |
| Centricon Plus - 70 | Millipore | UCF703008 | |
| Sodium bicarbonate | Sigma Aldrich | S6014 | |
| CF200-Cu Carbon film on 200 mesh copper grids | Electron Microscopy Sciences | 71150 | |
| 10x Tris/Glycine buffer | Bio-Rad | 161-0734 | |
| Any kD Mini-PROTEAN TGX Gel | Bio-Rad | 456-9033 | |