

# **Strem Chemicals, Inc.**

**www.strem.com**

Catalog #79-6010      Gold nanorods (Axial Diameter - 25 nm) (Wavelength 650 nm)

Color and Form:      blue liq.      Concentration:      150 ug/ml ( $\pm 10\%$ )

Axial Diameter (nm):      25 ( $\pm 10\%$ )      Longitudinal Size (nm):      60 ( $\pm 10\%$ )

Peak Longitudinal Surface Plasmon Resonance Wavelength (nm): 650

Peak Axial Surface Plasmon Resonance Wavelength (nm): 530

Storage Conditions:      store at  $\sim 4^{\circ}\text{C}$  (do not freeze)

Shelf Life:      6 months

Gold nanorods are shipped in 18M $\Omega$  DI water with < 0.1% ascorbic acid and < 0.1% CTAB surfactant capping agent.

## **Storage Instructions:**

Store at 4°C. Do not freeze. CTAB, may cause a cloudy appearance at low temperatures. Before use, warm to room temperature to resuspend excess CTAB. Particularly for the larger nanorods, make sure to homogenize bottles after long storage periods to resuspend any sedimentation.