

GATTAquant GmbH

Hagenring 14
D-38106 Braunschweig

Tel.: +49 (531) 391 5349
Fax: +49 (531) 388 249 16

Mail: info@gattaquant.com
www.gattaquant.com

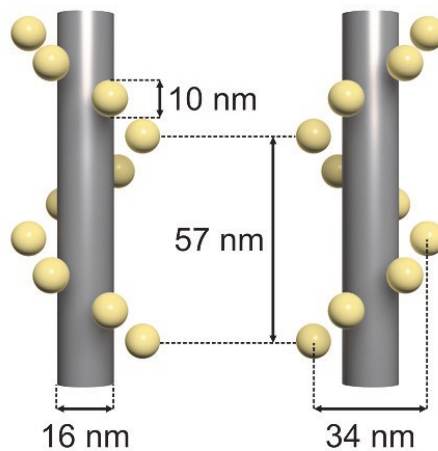


Gold Nanohelices

Product information:

The Gold Nanohelices (L,R) are chiral nanoscale markers especially suited for 3D Tomography / Electron Microscopy (EM) / CryoEM. Our chiral markers show pure chirality (L or R), which can easily be detected with EM due to the high contrast and the precise arrangement of the gold nanoparticles.

The Gold Nanohelices (L,R) are fabricated with the DNA origami technique where gold nanoparticles (10nm) are arranged into nanoscale helices (helical pitch 57 nm; length 110 nm; diameter 34 nm).



- **On TEM grid:**

The samples are delivered ready to use on a dried TEM grid. To increase the helix effect they are magnified by silver enhancement. For shipping the samples are stored in parafilm covered plastic wells. Durability is 6 month.

- **In buffer:**

The Nanohelices are delivered in buffer (1x TE, 11mM MgCl₂). The sample size is ~30µl which is enough for the preparation of more than 10 TEM grids. Shipping will be carried out in a cooled thermobox. Keeping suitable storage conditions (dark, 4°C) the durability is 3 month.

	Particle size	Packing unit
In buffer	10 nm	30 µl
On TEM grid	10 nm	1 TEM grid