

**Product Information**

# Gold nanohelices

## Gold Nanohelices - Chirality Tomography Markers

**Product information:**

The Gold Nanohelices (L,R) are chiral nanoscale markers especially suited for 3D Tomography (only nanohelices in buffer) / 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.

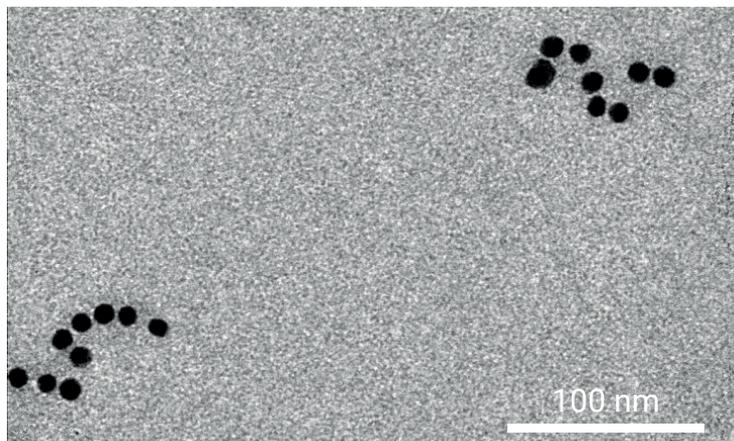
The Gold Nanohelices (L,R) are fabricated with the DNA origami technique where gold nanoparticles (10 nm) are arranged into nanoscale helices (helical pitch 57 nm; length 110 nm; diameter 34 nm).

**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.

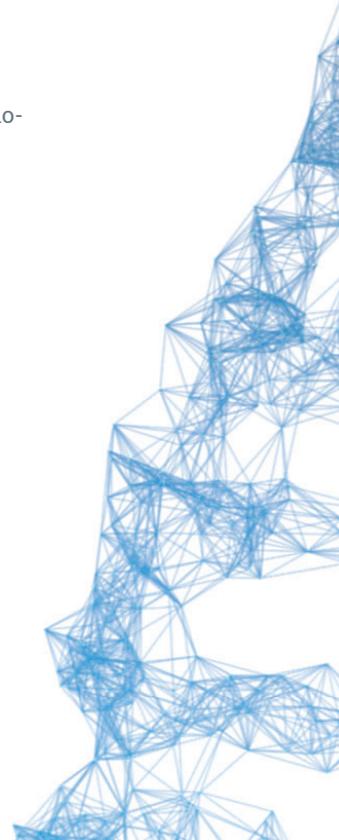
**In buffer:**

The Nanohelices are delivered in buffer (1x TAE, 11 mM MgCl<sub>2</sub>). The sample size is ~ 30 µL which is enough for the preparation of more than 10 TEM grids. Shipping will be carried out in a cooled thermo-box. Keeping suitable storage conditions (dark, 4 °C) the durability is 3 month.



**Gold nanohelices**

Transmission electronmicroscopy (TEM) image of gold nanohelices



**Product** properties

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	<b>On TEM grid</b>	<b>In buffer</b>
<b>Particle size</b>	10 nm	10 nm
<b>Packing unit</b>	1 grid	~ 30 $\mu$ L

**Need support?**

## Contact

In the case that you should need further assistance please feel free to contact us.  
We are happy to help.

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