



DiagNano™ Maleimide-Activated Gold Nanoparticle Conjugation Kits, 70 nm

Cat.No: MGK-10K-70

DESCRIPTION

Description DiagNano™ Maleimide-Activated Gold Nanoparticle Conjugation Kits, 70 nm (Cat# MGK-70) is a one-step procedure to covalently conjugate proteins and other thiol-containing ligands to 70 nm gold nanoparticles. There is a PEG (10 kDa)-spacer between the gold surface and maleimide-groups. The kit contains buffers and lyophilized 70 nm maleimide-activated gold nanoparticles.

APPLICATION

Application Notes Used for high efficiency one-step conjugation of thiol-containing ligands such as oligonucleotides to gold nanoparticles.

KIT COMPONENTS

Kit Components	Kit Components	Storage
	70 nm Maleimide-Activated Gold Nanoparticles (lyophilized)	-20°C
	Protein Resuspension Buffer	-20°C
	Reaction Buffer	-20°C
	Quencher Solution	-20°C

PRODUCT INFORMATION

Diameter	70 nm
Functional Group	Maleimide
Number of Particles	~2.4E+11 (when dissolved to a final volume of 100 µL)
Optical Density	OD=20 (when dissolved to a final volume of 100 µL)
Absorption Max	548 nm
Surface Group Density	~ 1 maleimide group/nm ²