

(2016.1a) Prices effective Jan. 1, 2016

Nanogold® (1.4 nm) & Undecagold (0.8 nm) Reagents – Gold nanoparticle labeling reagents

	Cat. #	Diameter	Quantity	Price
Monomaleimido Nanogold® / Undecagold	2020	1.4 nm	30 nmol (labels 200 µg Fab')	\$415
Reactive group: Maleimide	2020A	1.4 nm	30 nmol divided into 5 aliquots	\$463
Binds to: Sulfhydryl-reactive (e.g. cysteine, Fab', IgG)	2020S	1.4 nm	6 nmol	\$129
Note: Since the maleimide moiety hydrolyzes once dissolved, we recommend our multiple-aliquot kit for reactions to be performed at different times.	2030	0.8 nm	50 nmol (labels 300 µg Fab')	\$449
	2030A	0.8 nm	50 nmol divided into 5 aliquots	\$501
	2030S	0.8 nm	10 nmol	\$128
Monoamino Nanogold® / Undecagold	2021	1.4 nm	30 nmol	\$309
Reactive group: Primary amine	2021A	1.4 nm	30 nmol divided into 5 aliquots	\$345
Binds to: NHS esters, aldehydes, carboxylic acid	2021S	1.4 nm	6 nmol	\$89
Note: For multiple smaller reactions, we recommend our multiple-aliquot kit.	2031	0.8 nm	50 nmol	\$308
	2031A	0.8 nm	50 nmol divided into 5 aliquots	\$355
	2031S	0.8 nm	10 nmol	\$89
Mono-Sulfo-NHS-Nanogold® / Undecagold	2025	1.4 nm	30 nmol	\$415
Reactive group: N-hydroxy-sulfosuccinimide ester	2025A	1.4 nm	30 nmol divided into 5 aliquots	\$463
Binds to: Primary amine	2025S	1.4 nm	6 nmol	\$129
Note: Since the NHS-ester hydrolyzes once dissolved, we recommend our multiple-aliquot kit for reactions to be performed at different times.	2045	0.8 nm	50 nmol	\$449
	2045A	0.8 nm	50 nmol divided into 5 aliquots	\$501
	2045S	0.8 nm	10 nmol	\$128
Positively Charged Nanogold® / Undecagold	2022	1.4 nm	30 nmol	\$312
Multiple amines bind to negatively charged sites	2043	0.8 nm	50 nmol	\$309
Negatively Charged Nanogold® / Undecagold	2023	1.4 nm	30 nmol	\$312
Multiple carboxyl groups bind to positively charged sites	2044	0.8 nm	50 nmol	\$309
Non-Functionalized Nanogold® / Undecagold	2010	1.4 nm	30 nmol	\$206
Non-reactive form; gold particles only, lyophilized.	2060	0.8 nm	50 nmol	\$206

Custom labeling / reagents with Nanogold® also available

AuroVist™ – New! Gold Nanoparticle X-ray Contrast Agents

	Cat. #	Diameter	Note	Quantity	Price
AuroVist™ - 15 nm	1115	15 nm	In PBS, ready to use.	40 mg Au	\$270
	1115A	15 nm		40 mg x 5 vials = 200 mg Au	\$1282
AuroVist™ - 1.9 nm	1102	1.9 nm	Ready to be reconstituted in water, PBS, or other buffer.	40 mg Au	\$349
	1102A	1.9 nm		40 mg x 5 vials = 200 mg Au	\$1570

FluoroNanogold™ Antibody Conjugates

0.5 mL \$303 or 1.0 mL \$452

1.4 nm gold nanoparticle and fluorophore covalently bound to affinity-purified antibody or streptavidin

Custom fluorescent conjugates also available.	Cat. #	Conjugate	Raised in	Cat. #	Conjugate	Raised in
Alexa Fluor® 488 - FluoroNanogold™	7202	anti-mouse Fab'	goat	7251	anti-sheep Fab'	rabbit
	7204	anti-rabbit Fab'	goat	7253	anti-human Fab'	goat
	7206	anti-goat Fab'	rabbit	7255	anti-guinea pig Fab'	goat
	7208	anti-rat Fab'	goat	7216	streptavidin	
Alexa Fluor® 594 - FluoroNanogold™	7302	anti-mouse Fab'	goat	7355	anti-guinea pig Fab'	goat
	7304	anti-rabbit Fab'	goat	7316	streptavidin	
Alexa Fluor® 546 - FluoroNanogold™	7402	anti-mouse Fab'	goat	7455	anti-guinea pig Fab'	goat
	7404	anti-rabbit Fab'	goat	7416	streptavidin	
Fluorescein - FluoroNanogold™	7002	anti-mouse Fab'	goat	7055	anti-guinea pig Fab'	goat
	7004	anti-rabbit Fab'	goat	7016	streptavidin	

Ni-NTA-Nanogold® for His-tags – Recombinant protein localization & detection

Reactive group: nickel (II) nitraloacetic acid (NTA) chelates; Binds to: polyhistidine

	Cat. #	Diameter	Applications	Quantity	Price
1.8 nm Ni-NTA-Nanogold®	2080	1.8 nm	Smaller than antibody probes	3 mL at 10 µM	\$408
5 nm Ni-NTA-Nanogold®	2082	5.0 nm	Easily visible in EM	3 mL at 0.5 µM	\$433
GoldiBlot™ Western Blot Kit	2090	1.8 nm	Detect His-tags on Western blots	15 blots	\$163

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Questions? Ask our scientists: tech@nanoprobes.com More information and latest pricing at www.nanoprobes.com

Nanogold® Antibody Conjugates

0.5 mL \$230 or 1.0 mL \$345

1.4 nm gold nanoparticle covalently bound to affinity-purified Fab', IgG or streptavidin

	Cat. #	Antibody		Cat. #	Antibody
Nanogold® - anti-mouse Raised in goat	2001 2002	IgG Fab'	Nanogold® - anti-sheep Raised in rabbit	2050 2051	IgG Fab'
Nanogold® - anti-rabbit Raised in goat	2003 2004	IgG Fab'	Nanogold® - anti-human Raised in goat	2052 2053	IgG Fab'
Nanogold® - anti-goat Raised in rabbit	2005 2006	IgG Fab'	Nanogold® - anti-guinea pig Raised in goat	2054 2055	IgG Fab'
Nanogold® - anti-rat Raised in goat	2007 2008	IgG Fab'	Nanogold® - anti-biotin Raised in goat	2015	IgG
Custom conjugations with Nanogold also available.			Nanogold® - streptavidin	2016	

EnzMet™ – Enzymatic Metallographic HRP Substrate for labeling Horseradish Peroxidase (HRP)

Contact Ventana Medical Systems for all automated applications.

	Cat. #	Applications	Quantity	Price
EnzMet IHC / ISH HRP Detection Kit	6001	Immunohistochemistry (IHC), in situ hybridization (ISH)	150 slides, 30 mL	\$135
EnzMet Western Blot HRP Detection Kit	6002	Western blots	100 mL	\$313
EnzMet for General Research Applications	6010	general research	45 mL	\$291

Golden Lipids – Gold nanoparticles, covalently bound to lipids

	Cat. #	Diameter	Lipid Group	Quantity	Price
DPPE Nanogold®	4021	1.4 nm	Dipalmitoyl	30 nmol	\$433
DPPE Undecagold	4023	0.8 nm	phosphatidylethanolamine	30 nmol	\$375
Palmitoyl Nanogold®	4020	1.4 nm	C ₁₅ palmitic acid (a fatty acid)	30 nmol	\$395
Palmitoyl Undecagold	4022	0.8 nm		30 nmol	\$343

Gold Nanomaterials – *New!* Functionalized gold nanoparticles for every solubility

Reactive Group	Cat. #	Diameter	Soluble in	Quantity	Price
1-Mercapto-(triethylene glycol) methyl ether	3012	5 nm	toluene, chloroform, ethyl acetate, acetone, water, alcohols (amphiphilic)	80 mg	\$372
(1-Mercaptoundec-11-yl) tetraethyleneglycol	3013	5 nm	alcohol and water (hydrophilic)	80 mg	\$372
Dodecanethiol	3014	5 nm	organic solvents such as toluene (hydrophobic)	80 mg	\$324
Octanethiol	3015	3 nm		80 mg	\$393

Negative Stains for EM – High-resolution, high-density stains specifically formulated for EM

	Cat. #	Conc.	Based on	Quantity	Price
Nano-Van® Recommended for Nanogold® or anywhere a low atomic number light stain is needed.	2011	2%	Vanadium	5 mL	\$123
Nano-W® High density, high contrast.	2018	2%	Organotungsten compound	5 mL	\$123

Silver & Gold Enhancement Kits – Enlarge our high-resolution labels for amazing images!

	Cat. #	Best for	Notes	Qty	Preparation	Price
GoldEnhance™ EM Plus <i>New!</i> <i>Low background, slow development.</i>	2114	EM	Enough for 200 grids (25 µL/grid)	8 mL	2 mL each of Initiator, Moderator, Activator, Buffer	\$140
GoldEnhance™ EM Rapid developer.	2113	EM	Enough for 200 grids (25 µL/grid)	8 mL	2 mL each of Initiator, Moderator, Activator, Buffer	\$112
GoldEnhance™ LM Slow developer, low background.	2112	LM	Enough for 600 slides (100 µL/slide)	60 mL	15 mL each of Initiator, Moderator, Activator, Buffer	\$207
GoldEnhance™ Blots Specially formulated for protein blots.	2115	Blots	Enough for 12 7 x 8.4 cm Westerns	120 mL	30 mL each of Initiator, Moderator, Activator, Buffer	\$209
HQ Silver Highest quality: uniform development, excellent structural preservation.	2012	EM	light sensitive	45 mL	15 mL each of Initiator, Moderator, Activator	\$166
LI Silver A convenient silver enhancer for Nanogold®.	2013	EM, LM, gels, blots	light insensitive	250 mL	125 mL each of Initiator and Enhancer	\$153

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