

CERTIFICATE OF ANALYSIS

Product:	Suspension of colloidal gold nanoparticles for small animal imaging following intravascular injection
Trade Name(s):	Mvivo Au
Catalog number:	Au-315
Core particle size:	15 nm \pm 2nm
Z-Average (DLS):	30.93
Concentration (OD):	3500
Concentration:	200 mg per ml
Particles/ml:	$\sim 7.2E+15$
Absorption (λ_{max}):	524 nm
Polydispersity Index (PDI):	0.153

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Some of the particles may have accumulated in cap of vial during transportation. A gentle centrifugation (eg. 1000 x g for 10-20 seconds) may be performed to remove nanoparticles from cap of vial.

Briefly vortex the particles before use.

Store product at 4 to 25 °C. Do NOT FREEZE. If Frozen, Mvivo Au will irreversibly aggregate and the solution will undergo a coloration change. When stored as specified the colloidal gold is stable for at least one year from date of manufacture.

Release Date: November 19, 2019

Expiration Date: 2 years from manufacture date