

Certificate of Analysis

Product Family	Conjugated Spherical Gold Nanoparticles
Product Number	20-PN-50
Lot #	C62493-NP952
Appearance	Gold
Form	Colloid
Conjugation	Neutravidin terminated polymer
Test Measured Longitudinal SPR (nm)	542
Test Measured Longitudinal Abs (OD-mLs)	80
Test Measured Diameter (nm)	52
Zeta Charge (mV)	-2
Calculated concentration (nps/mL)	3.5e12
Calculated/Test concentration (ug/mL)	3971
Supernatant	DI water plus 1% PBS 0.1% BSA
Date:	10/22/09



Christian Schoen, Manager
Quality Control