



## CERTIFICATE OF ANALYSIS

Product:	Alexa fluor dye conjugated suspension of dextran coated iron oxide nanoparticles for cell tracking, magnetic particle imaging and multimodal (optical/MRI) small animal imaging following intravascular injection
Trade Name(s):	Mvivo USPIO FI
Catalog number:	USPIO-110-05
Core particle size:	6 nm $\pm$ 2nm
Z-Average (DLS):	120.9 nm $\pm$ 1nm
PDI (DLS)	0.213
Z-Potential:	-4.76 (+/- 0.13) mV
Concentration:	5 mg per ml
Particles/ml:	$\sim$ 1E+15
Storage buffer:	PBS
Polydispersity Index (PDI):	0.213

***Briefly vortex the particles before use.***

***Store product at 4 to 8 °C. Do NOT FREEZE. If Frozen, Mvivo Au will irreversibly aggregate. When stored as specified the colloidal gold is stable for at least one year from date of manufacture.***

**Release Date:**

Approved by: \_\_\_\_\_

MediLumine Inc.  
5795 Av. De Gaspé, Suite #228  
Montreal, Quebec, Canada  
H2S 2X3