

## CERTIFICATE OF ANALYSIS

|                             |   |
|-----------------------------|---|
| Product:                    | Suspension of dextran coated iron oxide nanoparticles for cell tracking, magnetic particle imaging and small animal imaging following intravascular injection |
| Trade Name(s):              | Mvivo USPIO   |
| Catalog number:             | USPIO-106-10  |
| Core particle size:         | 6 nm $\pm$ 2nm  |
| Z-Average (DLS):            | 155   |
| PDI (DLS):                  | 0.163   |
| Z-Potential:                | -1.76 (+/- 1.0) mV  |
| Concentration:              | 10 mg per ml  |
| Particles/ml:               | $\sim 1E+15$  |
| Storage buffer:             | PBS   |
| Polydispersity Index (PDI): | 0.153   |
| <b>Expiration Date:</b>     | 2 years from manufacture date   |

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***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.***