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## Product Specification

Product Name:

Gold nanoparticles – 40 nm diameter, biotin terminated, PEG 5000 coated, OD 50, dispersion in H<sub>2</sub>OProduct Number: **808865**

Storage Temperature: 2 - 8 °C

| TEST   | Specification        |
|--|----------------------|
| Appearance (Color)   | Red to Very Dark Red |
| Appearance (Form)  | Liquid               |
| ICP Major Analysis   | Confirmed            |
| Confirms Gold Component  |                      |
| Identity   | Confirmed            |
| Gold Nanoparticles, 40 nm diameter, Biotin Terminated, PEG 5000 Coated |                      |
| Core Size  |                      |
| Specification: Report Only   |                      |
| Concentration  | Confirmed            |
| (OD): ~ 50   |                      |
| Polydispersity Index (PDI)   |                      |
| Specification: Report Only   |                      |
| Diameter   |                      |
| Hydrodynamic   |                      |
| Specification: Report Only   |                      |
| Particles/ml   | Confirmed            |
| ~ 3.58E+ 12  |                      |
| Absorption Max   |                      |
| Specification: Report Only   |                      |
| Product of Supplier  | Confirmed            |
| CytoDiagnostics, Inc   |                      |
| Expiration Date Period   | -----                |
| 1 Year   |                      |

Specification: PRD.0.ZQ5.10000104488

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

