

Materials List for

Estimation of Urinary Nanocrystals in Humans using Calcium Fluorophore Labeling and Nanoparticle Tracking Analysis

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Materials

Name	Company	Catalog Number	Comments
Benchtop Centrifuge	Jouan Centrifuge	CR3-12	
Calcium Oxalate monohydrate	Synthesized in the lab as previously described ²⁹ .		Store at RT; Stock 10 mM
Calcium Phosphate crystals (hydroxyapatite nanopowder)	Sigma	677418	Store at RT; Stock 10 mM
Ethanol	Fischer Scientific	AC615095000	Store at RT; Stock 100%
Fluo-4 AM*	AAT Bioquest, Inc.	20550	Store at Freezer (-20°C); Stock 5 mM
Gold Nanoparticles	Sigma	742031	Store at 2-8°C
NanoSight Instrument	Malvern Instruments, UK	NS300	
Syringe pump	Harvard Apparatus	98-4730	
Virkon Disinfectant	LanXESS Energizing Company, Germany	LSP	
*Fluorescence dyes are light sensitive; stock and aliquots should be stored in the dark at -20°C.			