

Materials List for:

Atomic Absorbance Spectroscopy to Measure Intracellular Zinc Pools in Mammalian Cells

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Materials

Name	Company	Catalog Number	Comments
3-isobutyl-1-methylxanthine	Sigma Aldrich	I5879	
Acetic Acid	Sigma Aldrich	1005706	
Anti Brg1-antibody (G7)	Santa Cruz biotechnologies	sc-17796	
Anti b-tubulin-antibody (BT7R)	Thermo Scientific	MA5-16308	
Bradford	Biorad	5000205	
Dexamethasone	Sigma Aldrich	D4902	
Dulbecco's Modified Eagle's Media (DMEM)	ThermoFischer-Gibco	11965092	
Dulbecco's Modified Eagle's Media/Nutrient Mix (DMEM/F12)	ThermoFischer-Gibco	11320033	
Dulbecco's Phosphate Buffered Saline (DPBS)	ThermoFischer-Gibco	14190144	
Epidemal Growth Factor (EGF)	Sigma Aldrich	E9644	
Fetal Bovine Serum (FBS)	ThermoFischer-Gibco	16000044	
Fibroblastic Growth Factor-Basic (FGF) (AA 10-155)	ThermoFischer-Gibco	PHG0024	
Horse serum	ThermoFischer-Gibco	16050122	
Hydrocortisone	Sigma Aldrich	H0888	
Hydrogen Peroxide (H2O2)	Sigma Aldrich	95321	
Insulin	Sigma Aldrich	91077C	
Insulin-Transferrin-Selenium-A	ThermoFischer	51300044	
Nitric Acid (HNO3)	Sigma Aldrich	438073	
Nonidet P-40 (NP-40)	Thermo Scientific	85125	
OptiMEM (Reduced Serum Media)	ThermoFischer-Gibco	31985070	
Penicillin-Streptomycin	ThermoFischer-Gibco	15140148	
PureCol (Collagen)	Advanced BioMatrix	5005	
Retionic Acid	Sigma Aldrich	PHR1187	
Troglitazone	Sigma Aldrich	648469-M	
Trypsin-EDTA (0.25%), phenol red	ThermoFischer-Gibco	25200056	
Zinc (Zn) Pure Single-Element Standard, 1,000 µg/mL, 2% HNO3	Perkin Elmer	N9300168	
Established Cell Lines			

3T3-L1	American Type Culture Collection	CL-173	
MCDK	American Type Culture Collection	CCL-34	
MCF10A	American Type Culture Collection	CRL-10317	
N2A	American Type Culture Collection	CCL-131	
Equipment			
Atomic Absortion spectrophotometer	PerkinElmer	Aanalyst 800	
Bioruptor	Diagnode	UCD-200	