

Materials List for:

# Hydrogel Nanoparticle Harvesting of Plasma or Urine for Detecting Low Abundance Proteins

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## Materials

Name	Company	Catalog Number	Comments
Hydrogel nanoparticles	Ceres Nanoscience	CS003	NanoTrap ESP particles
18 MΩ-cm water			Type 1 reagent grade water
Tris HCl, 50 mM pH 7.0	VWR	IC816116	50 mM, pH 7
Acetonitrile	BDH	BDH1103-4LP	Available from VWR
Ammonium Hydroxide NH <sub>4</sub> OH	BDH	BDH3014	Available from VWR, assayed at 28-30% NH <sub>3</sub>
Sodium thiocyanate 25 mM	Acros Organics	419675000	For serum/plasma samples
Multi-analyte Urine Reagent Strips	Siemens	2161	For urine samples
Tris-Glycine SDS Sample Buffer (2X)	Life Technologies	LC2676	Use at RT to prevent SDS from precipitating
Dry bath incubator (100 °C) with heating block	Barnstead	11-715-125DQ	Do not substitute a boiling water bath
Nitrogen evaporator manifold	Organomation Associates	Microvap118	For serum/plasma samples
Centrifuge, swing-out rotor	Sorvall	Legend series	50 ml tube capacity, rcf 3,700 x g
Centrifuge, fixed angle rotor	Eppendorf	5424	1.7 ml microcentrifuge capacity, rcf 16,000 x g
50 ml conical centrifuge tubes	Fisher Scientific	14-432-22	With screw caps for urine samples
1.5 ml microcentrifuge tubes	Eppendorf	22363204	
Vortex mixer	Fisher Scientific	50-949-755	
Timer	Fisher Scientific	S04782	Seconds/minutes