

Materials List for:

# Bulk and Thin Film Synthesis of Compositionally Variant Entropy-stabilized Oxides

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## Materials

Name	Company	Catalog Number	Comments
MAGNESIUM OXIDE 99.95%	Fisher	AA1468422	
COBALT(II) OXIDE, 99.995%	Fisher	AA4435414	
NICKEL(II) OXIDE 99.998%	Fisher	AA1081914	
COPPER(II) OXIDE 99.995%	Fisher	AA1070014	
ZINC OXIDE 99.99%	Fisher	AA8781230	
TRICHLOROETHYLENE SEMICNDTR 9	Fisher	AA39744K7	
ACETONE SEMICNDTR GRD 99.5%	Fisher	AA19392K7	
2-PROPANOL ACS 99.5%	Fisher	A416S4	
Mineral oil, pure	Acros Organics	AC415080010	
alumina crucible	MTI Corporation	eq-ca-l50w40h20	
ZIRCONIA (YSZ) GRINDING MEDIA	Inframat Advanced Materials	4039GM-S010	
SiC paper 320/600/800/1200	South Bay Technology	SDA08032-25	
MgO (100) substrate, 5x5x0.5 mm, 1SP	MTI Corporation	MGa050505S1	
OXYGEN COMPRESSED ULTRA HIGH PURITY GRADE, 99.999%	Cryogenic Gases	OXYUHP	
NITROGEN COMPRESSED EXTRA DRY GRADE	Cryogenic Gases	NITEX	