

Materials List for:

Construction and Testing of Coin Cells of Lithium Ion Batteries

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Materials

Name	Company	Catalog Number	Comments
Poly(vinylidene fluoride)	Sigma-Aldrich	182702	
1-Methyl-2-pyrrolidinone, 99.5%	Alfa Aesar	31903	
LiCoO ₂	Alfa Aesar	42090	
Carbon black, acetylene, 99.9+%	Alfa Aesar	39724	
LiPF ₆ in EC:DMC:DEC	MTI Corporation	EQ-Be-LiPF6	
Celgard separator	Celgard	C480	
Analog Vortex Mixer	VWR	58816-121	
Vacuum oven			
Vacuum pump			
Hydraulic press			
Coin cell case	MTI Corporation	EQ-CR2032-CASE-304	
Spring and spacer	MTI Corporation	EQ-CR20SprSpa-304	
Glovebox	mBraun	UNILAB	
Battery tester	Arbin Instruments	BT2143	