

Materials List for:

Fabrication of VB₂/Air Cells for Electrochemical Testing

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Materials

Name	Company	Catalog Number	Comments
MATERIALS			
Boron	Alfa Aesar	11337	
Diethyl Ether	J.T. Baker	9244-06	4L
Epoxy	Loctite		Heavy Duty 5 min setting time
Isopropyl Alcohol			
Panasonic 675 Zinc/Air cell	Panasonic	PR675H	Made in Japan (not German)
C-ENERGY Super C65	Timcal		Graphitic carbon black
Vanadium	Aldrich	262935	
Vanadium Diboride	American Elements	12007-37-3	
Zirconium Chloride	Spectrum	Z20001	
EQUIPMENT			
50-mL round bottom flask	Fisher Scientific Co LLC	CG151001	
Diagonal cutting pliers	Hardware store		
Hot/stir plate	IKA	C-MAG HS 7	
Glove box	Labconco	Precision Basic	
Ten 10-mm tungsten carbide balls	Lab Synergy	55.0100.08	
Tungsten carbide milling jar	Lab Synergy	50.8600.00	
Razor blade	Hardware store		
Retsch PM 100 planetary ball mill	Retsch	205400003	
Stir bar	VWR International	58947-140	