

Materials List for:

Combining Solid-state and Solution-based Techniques: Synthesis and Reactivity of Chalcogenidoplumbates(II or IV)Günther Thiele¹, Carsten Donsbach², Isabell Nußbruch², Stefanie Dehnen²¹Department of Chemistry, University of California, Berkeley²Fachbereich Chemie, Philipps-Universität Marburg and Wissenschaftliches Zentrum für MaterialwissenschaftenCorrespondence to: Stefanie Dehnen at dehnen@chemie.uni-marburg.deURL: <https://www.jove.com/video/54789>DOI: [doi:10.3791/54789](https://doi.org/10.3791/54789)**Materials**

Name	Company	Catalog Number	Comments
Ethan-1,2-diamine	Sigma-Aldrich	E26266-2.5L	
Calcium hydride	Sigma-Aldrich	213268-100G	
Tetrahydrofuran	Sigma-Aldrich	401757-1L	
Sodium	Sigma-Aldrich	71172-1KG	
Potassium	Sigma-Aldrich	244864-50G	
Tris-triphenylphosphine rhodium chloride	Sigma-Aldrich	199982-5G	
Lead	Acros	222625000	
Selenium	Sigma-Aldrich	209643-50G	
18-crown-6	Acros	181561000	