

Materials List for:

Employing Pressurized Hot Water Extraction (PHWE) to Explore Natural Products Chemistry in the Undergraduate Laboratory

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URL: <https://www.jove.com/video/58195>

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Materials

Name	Company	Catalog Number	Comments
espresso machines	Breville/Sunbeam	Breville espresso machine model 800ES / Sunbeam EM3820 Café Espresso II	
rotary evaporators	Buchi and Heidolph		
cloves (plant material)	Dijon Food Pty Ltd		Cloves must be ground in a food processor for students.
Correa reflexa (plant material)	sample obtained in Tasmania	Sample collected from mature shrubs in the Thomas Crawford Reserve at the University of Tasmania	
sand	Ajax	1199	
ethanol	Redox Chemicals	E95 F3	
hexanes	Ajax	251	
magnesium sulfate	Ajax	1548	
diethyl ether	Merck	1009215000	
silica on aluminium TLC plates	Merck	1055540001	
eugenol	Merck	1069620100	
eugenyl acetate	Aldrich	W246905	
acetone	Redox Chemicals	Aceton13	
cyclohexane	ChemSupply	CA019	
silica gel 60	Trajan	5134312	40 - 63um (230-400mesh)
Congo red paper	ChemSupply	IS070-100S	
32% hydrochloric acid	Ajax	256	