

Materials List for:

A Simple, Low-cost, and Robust System to Measure the Volume of Hydrogen Evolved by Chemical Reactions with Aqueous Solutions

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URL: <https://www.jove.com/video/54383>

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Materials

Name	Company	Catalog Number	Comments
WinWedge software	Taltech		http://www.taltech.com/winwedge
High Resolution Top Loader Balance	LW Measurements, LLC	HRB6001	http://www.lwmeasurements.com/HRB-6001-High-Resolution-Top-Loader-Balance-p/hrb6001.htm
Silicon	Sigma Aldrich	215619	325 mesh
Sodium hydroxide	Sigma Aldrich	221465	Reagent grade
Aluminium (65.7%)-silicon (34.3%) alloy	Goodfellow	275-274-74	
Excel	Microsoft		https://products.office.com/en-us/excel
Glass sample vials, 50 x 12 mm	Scientific Laboratory Supplies	TUB1152	
Plastic sheet			Recycled from a smooth-sided plastic drinks bottle
Silicone tubing, 5 x 8 mm BxO D	Scientific Laboratory Supplies	TUB3806	
Parafilm (2 in. by 250 ft.)	Sigma Aldrich	P7543	
Adapter	Sigma Aldrich	Z415685	We used a custom-made adapter in our set-up, but this type of fitting would serve the same function