

Materials List for:

Hydrophobic Salt-modified Nafion for Enzyme Immobilization and Stabilization

Shannon Meredith¹, Shuai Xu¹, Matthew T. Meredith¹, Shelley D. Minteer¹

¹Departments of Chemistry and Materials Science and Engineering, University of Utah

Correspondence to: Shelley D. Minteer at minteer@chem.utah.edu

URL: <https://www.jove.com/video/3949>

DOI: [doi:10.3791/3949](https://doi.org/10.3791/3949)

Materials

| Name | Company | Catalog Number | Comments |
|---|---------------|--|----------|
| Nafion | Sigma-Aldrich | 70160 | |
| Tetra alkylammonium bromide salts | Sigma-Aldrich | n/a | |
| Alcohol dehydrogenase | Sigma-Aldrich | A3263 | |
| Nicotinamide adenine dinucleotide (NAD) | Sigma-Aldrich | N7004 | |
| Sodium pyrophosphate | Sigma-Aldrich | P8010 | |
| Phenazine methosulfate (PMS) | Sigma-Aldrich | P9625 | |
| 2,6-Dichloroindophenol (DCIP) | Sigma-Aldrich | D1878 | |
| Glucose oxidase | Sigma-Aldrich | G7141 | |
| 4-Hydroxybenzoic acid | Sigma-Aldrich | 240141 | |
| Sodium azide | Sigma-Aldrich | S8032 | |
| Peroxidase | Sigma-Aldrich | P8375 | |
| 4-aminoantipyrine | Sigma-Aldrich | 06800 | |
| UV/Vis Spectrophotometer | Thermo | Evolution 260 Bio or Spectronic Genesys 20 | |
| Vortex Genie | | | |
| Analytical balance | | | |