

Materials List for:

Developing Photosensitizer-Cobaloxime Hybrids for Solar-Driven H₂ Production in Aqueous Aerobic Conditions

Ab Qayoom Mir¹, Dependu Dolui¹, Shikha Khandelwal¹, Harshil Bhatt², Beena Kumari¹, Sanmitra Barman³, Sriram Kanvah¹, Arnab Dutta¹

¹Chemistry Discipline, Indian Institute of Technology Gandhinagar

²Chemistry Department, Uka Tarsadia University

³Applied Sciences Department, BML Munjal University

Correspondence to: Arnab Dutta at Arnab.Dutta@iitgn.ac.in

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Materials

| Name | Company | Catalog Number | Comments |
|---|-------------------------|----------------|----------|
| 1 mm diameter glassy carbon disc electrode | ALS Co., Limited, Japan | 2412 | 1 |
| Acetone | SD fine chemicals | 25214L10 | 27 mL |
| Ag/AgCl reference electrode | ALS Co., Limited, Japan | 12171 | 1 |
| Co(dm _g) ₂ Cl ₂ | Lab synthesised | NA | 100 mg |
| CoCl ₂ .6H ₂ O | Sigma Aldrich | C2644 | 118 mg |
| d ⁶ dms _o | Leonid Chemicals | D034EAS | 650 µL |
| Deionized water from water purification system | NA | NA | 500 mL |
| Dimethyl formamide | SRL Chemicals | 93186 | 5 mL |
| Dimethyl glyoxime | Sigma Aldrich | 40390 | 232 mg |
| Gas-tight syringe | SGE syringe Leur lock | 21964 | 1 |
| MES Buffer | Sigma | M8250 | 195 mg |
| Methanol | Finar | 67-56-1 | 15 mL |
| Platinum counter electrode | ALS Co., Limited, Japan | 2222 | 1 |
| Stilbene Dye | Lab synthesised | NA | 65 mg |
| TBAF (Tetra-n-butylammonium fluoride) | TCI Chemicals | T1338 | 20 mg |
| Triethanolamine | Finar | 102-71-6 | 1 mL |
| Triethylamine | Sigma Aldrich | T0886 | 38 µL |
| Trifluoroacetic acid | Finar | 76-05-1 | 10 µL |
| Whatman filter paper | GE Healthcare | 1001125 | 2 |