

Materials List for:

Preparation of Janus Particles and Alternating Current Electrokinetic Measurements with a Rapidly Fabricated Indium Tin Oxide Electrode Array

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URL: <https://www.jove.com/video/55950>

DOI: [doi:10.3791/55950](https://doi.org/10.3791/55950)

Materials

| Name | Company | Catalog Number | Comments |
|--|---|----------------|-------------|
| Silica Microsphere-2.34 μm | Bangs Laboratories | SS04N | |
| Ethyl Alcohol (99.5%) | KATAYAMA CHEMICAL | E-0105 | |
| SYLGARD 184 A&B Silicone Elastomer(PDMS) | DOW CORNING | | PDMS |
| ITO glass | Luminescence Technology | LT-G001 | |
| Fiber laser marking machine | Taiwan 3Axle Technology | TAFB-R-20W | |
| 2-channel function generator | Gwinsek | AFG-2225 | |
| CMOS camera | Point Grey | GS3-U3-32S4M-C | |
| Sputter | JEOL | JFC-1100E | |
| Operational Amplifiers | Texas Instruments | LM6361N | OP invertor |
| Ultrasonic Cleaner | Gui Lin Yiyuan Ultrasonic Machinery Co. | DG-1 | |
| Microcentrifuge | Scientific Specialties, Inc. | | 1.5ml |
| Mini Centrifuge | LMS | MC-MCF-2360 | |
| Microscope cover glass | Marienfeld-Superior | | 18*18mm |
| Inverted optical microscope | Olympus | OX-71 | |
| Parafilm | bemis | | spacer |