

Supplementary Information
ElectroPen: An ultralow-cost, electricity-free, portable electroporator

| Device | Additional Supplies | Cost[†] | Electricity | Weight |
|---|----------------------------------|-------------------------|--------------------|---------------|
| BioRad Micropulser Electroporator | Commercial cuvettes* | \$2,399.00 | Yes | 2.9kg |
| Eppendorf Eporator | Commercial cuvettes* | \$2,619.00 | Yes | 3.2kg |
| BioRad Gene Pulse Cell Microbial Electroporator | Commercial cuvettes* | \$6,875.00 | Yes | 6.6kg |
| ElectroPen | Low-cost, custom cuvettes | \$0.23 | No | 13g |

TABLE I. Comparison between standard commercial electroporators and the ElectroPen. The listed electroporators reflect common equipment utilized in labs. The ElectroPen reflects a fraction of the cost of its industrial equivalent, while not requiring access to electricity and weighing magnitudes less.*0.1/0.2 cm Gap Industrial Electroporation Cuvettes. [†] cost includes only the device.