

Materials List for:

Extracellularly Identifying Motor Neurons for a Muscle Motor Pool in *Aplysia californica*

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Materials

| Name | Company | Catalog Number | Comments |
|---|-----------------------------|----------------|---|
| Sodium chloride | Fisher Scientific | S671 | Biological, Certified |
| Potassium chloride | Fisher Scientific | P217 | Certified ACS |
| Magnesium chloride hexahydrate | Acros Organics | 19753 | 99% |
| Magnesium sulfate heptahydrate | Fisher Scientific | M63 | Certified ACS |
| Calcium chloride dihydrate | Fisher Scientific | C79 | Certified ACS |
| Glucose (dextrose) | Sigma-Aldrich | G7528 | BioXtra |
| MOPS buffer | Acros Organics | 17263 | 99% |
| Carbachol | Acros Organics | 10824 | 99% |
| Sodium hydroxide | Fisher Scientific | SS255 | Certified |
| Hydrochloric acid | Fisher Scientific | SA49 | Certified |
| Single-barreled capillary glass | A-M Systems | 6150 | |
| Flaming-Brown micropipette puller model P-80/PC | Sutter Instruments | | Filament used: FT345B |
| Enamel coated stainless steel wire | California Fine Wire | | 0.001D, coating h |
| Household Silicone II Glue | GE | | |
| Duro Quick-Gel superglue | Henkel corp. | | |
| A-M Systems model 1700 amplifier | A-M Systems | | Filter settings: 10-500 Hz for the I2 nerve/muscle; 300-500 Hz for all the other nerves |
| Pulsemaster Multi-Channel Stimulator | World Precision Instruments | A300 | |
| Stimulus Isolator | World Precision Instruments | A360 | |
| AxoGraph X | AxoGraph Scientific | | Software for recordings |
| Gold Connector Pins | Bulgin | SA3148/1 | |
| Gold Connector Sockets | Bulgin | SA3149/1 | |
| Sylgard 184 Silicone Elastomer | Dow Corning | | |
| 100 x 15 mm Crystalizing Dish | Pyrex | | |
| High Vacuum Grease | Dow Corning | | |
| Pipet Tips | Fisher Scientific | 21-375D | |
| Minutien Pins | Fine Science Tools | 26002-10 | |
| Modeling Clay | Sargent Art | 22-4400 | |
| Whisper Air Pump | Tetra | 77849 | |
| Aquarium Tubing | Eheim | 7783 | 12/16 mm |
| Elite Airstone | Hagen | A962 | |

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|------------------------|--------------------|----------|--|
| Vannas Spring Scissors | Fine Science Tools | 15000-08 | |
| Dumont #5 Fine Forceps | Fine Science Tools | 11254-20 | |
| Kimwipes | Kimberly-Clark | 34155 | |