

Materials List for:

# Using the Horseshoe Crab, *Limulus Polyphemus*, in Vision Research

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## Materials

| Name  | Type                       | Company                           | Catalog Number | Comments |
|---|----------------------------|-----------------------------------|----------------|----------|
| LED   | Light source               | Newark Inc                        | 33C1292        |          |
| Suction electrode                           | Electrode                  | A-M Systems                       | 573000         |          |
| XCell 3*4-Channel Extracellular Amplifier   | Amplifier                  | FHC, Inc.                         | 40-40-8B       |          |
| Intracellular Recording                     | Amplifier                  | Cygnus                            | IR-283A        |          |
| APM   | Neural Spike Discriminator | FHC, Inc.                         | APM            |          |
| Bits++                                      | Video Board                | Cambridge Research Systems        | Bits++         |          |
| Piezopatch Manipulator                      | Micropositioner            | World Precision Instruments, Inc. | PPM5000        |          |
| Square Pulse Stimulator                     | Nerve Stimulator           | Grass Technologies                | Model S48      |          |
| P-97  | Micropipette Puller        | Sutter Instrument Co.             | Model P-97     |          |
| Borosilicate Glass Capillary                | Electrode glass            | World Precision Instruments, Inc. | 1B150-4        |          |
| Horsesh- crab ( <i>Limulus polyphemus</i> ) | Animal                     | Marine Biological Laboratories    |                |          |
| Micropipette Puller                         | Glass Puller               | Sutter Instrument Co.             | P-97           |          |
| Zoom Stereoscope                            | Microscope                 | Jed Pella Inc.                    | SMZ-168        |          |