

Materials List for:

Viral Tracing of Genetically Defined Neural Circuitry

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URL: <https://www.jove.com/video/4253>

DOI: [doi:10.3791/4253](https://doi.org/10.3791/4253)

Materials

| Name | Company | Catalog Number | Comments |
|---|-----------------------------|----------------|----------|
| Tissue Culture | | | |
| Baby Hamster Kidney (BSRT7) cells | available upon request | | |
| vaccinia (vTF7-3) | available upon request | | |
| pN, pP, pl plasmids | available upon request | | |
| Calcium Chloride | Sigma | C1016 | |
| Magnesium Chloride | Sigma | M8266 | |
| HEK 293T cells | Open Biosystems | HCL4517 | |
| 60 mm TC-Treated Culture Dish | Corning | 430166 | |
| 75 cm ² Rectangular Canted Neck Cell Culture Flask with Vent Cap | Corning | 430641 | |
| Media : DMEM (Dulbecco's Modified Eagle Medium) | Invitrogen | 12491-015 | |
| 1 M HEPES pH 7.4 | Gibo | 15630-080 | |
| FBS: Fetal Bovine Serum | Gibco | 10437-028 | |
| PKS | Invitrogen | 15140-163 | |
| Lipofectamine 2,000 Transfection Reagent | Invitrogen | 11668-019 | |
| Syringe: 5 ml Luer-Lock syringe | Sigma | Z248010-1PAK | |
| Syringe Filters | Nalgene | 190-2520 | |
| PEI: High Potency Linear PEI | Polysciences | 23966 | |
| Viral Centrifugation | | | |
| Corning 150 ml Tube Top Vacuum Filter System, 0.45 µm Pore | Corning | 430314 | |
| Thinwall, Ultra-Clear, 38.5 ml, 25 x 89 mm ultracentrifuge tubes | Beckman-Coulter | 344058 | |
| Ultracentrifuge | Beckman-Coulter | optima XL-80K | |
| SW28 Ultracentrifuge rotor | Beckman-Coulter | 342207 | |
| Mouse Injection | | | |
| Capillary micropipets | Drummond | 5-000-2005 | |
| Stereotax | Narishige | SR-5M | |
| Micromanipulator | Narishige | SM-15 | |
| Ump injector | World Precision Instruments | Sys-Micro4 | |
| Four channel microcontroller | World Precision Instruments | UMP3 | |
| M.TXB Bench Motor with C.EMX-1 Dial Control, 115 Volt | Foredom | M.TXB-EM | |

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| H.10 Handpiece, Quick Change | Foredom | H.10 | |
| Step Drill, 0.5 mm | Foredom | A-58005P | |
| Micr-lectrode holder | World Precision Instruments | MEH2S | |
| Ketamine | Henry Schein | 995-2949 | |
| Xylazine | Henry Schein | 4015809TV | |
| Buprenorphine | Henry Schein | 1118217 | |
| 1 ml syringe | Becton-Dickinson | 309628 | |
| 30 gauge injection needle | Becton-Dickinson | 305106 | |
| Protective Ophthalmic Ointment | Doctors Foster and Smith | 9N-014748 | |
| Ethanol | Sigma | 493511 | |
| Iodine | Sigma | PVP1 | |
| Surgery and Dissection tools | | | |
| Scissors | Fine Science Tools | 91402-12 | |
| Standard Forceps | Fine Science Tools | 11000-12 | |
| Fine Forceps | Fine Science Tools | 11255-20 | |
| Vannas spring scissors | Fine Science Tools | 15000-00 | |
| Scalpel handle | Fine Science Tools | 10003-12 | |
| Scalpel blades | Fine Science Tools | 10015-00 | |
| Sutures | Robbins Instruments | 20.SK640 | |
| Dissection and antibody staining | | | |
| paraformaldehyde | Sigma | P6148 | |
| Phosphate Buffered Saline | Sigma | P4417 | |
| Triton X-100 | Sigma | T9284 | |
| Donkey Serum | Jackson Immunoresearch | 017-000-121 | |
| Antibodies | | | |
| Antibodies | millipore | AB144P | |
| Anti-gfp | Abcam | ab13970 | |
| Donkey anti-chicken Dylight 488 | Jackson immunoresearch | 703-545-155 | |
| Donkey anti-chicken Alexa Fluor 647 | Jackson immunoresearch | 705-605-147 | |
| DAPI | Invitrogen | D1306 | |
| Tissue mounting | | | |
| Superfrost plus microscope slides | Fisher | 12-550-100 | |
| Cover glass 22 x 22, 0 thickness | Electron Microscopy Sciences | 72198-10 | |
| Silicone elastomer | Rogers Corp | HT-6220 | |
| Clear nail polish | Electron Microscopy Sciences | 72180 | |
| Prolong Gold antifade reagent | Invitrogen | P36930 | |
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