

Materials List for

# Free-floating Immunostaining of Mouse Brains

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jove.com/video/62876

## Materials

| Name   | Company                   | Catalog Number | Comments  |
|--|---------------------------|----------------|---|
| Alexa Flour 594 donkey anti-rabbit IgG (H+L) | Invitrogen                | A21207         |   |
| 30% Sucrose                                  | VWR                       | 470302         | 30 g Sucrose dissolved into 100 mL of PBS   |
| Neutral Buffered Formalin                    | VWR                       | 16004-128      | 10%, 25 °C, pH 6.8-7.2  |
| 1 mL Sub-Q Syringe                           | BD                        | 309597         |   |
| 48 Well Cell Culture Plate                   | Corning                   | 3548           |   |
| 6 Well Cell Culture Plate                    | Corning                   | 3516           |   |
| Antifading mounting media with DAPI          | Vector Laboratories       | H-1200         |   |
| Autoclavable plastic desiccator              | Thermo Scientific Nalgene | 5315-0150      |   |
| AVP antibody                                 | Phoenix Pharmaceuticals   | H-065-07       |   |
| Cell Strainer                                | Corning                   | 431752         |   |
| Cryoprotectant buffer                        | User preference           | Not applicable | 20% glycerol, 30% ethylene glycol, and 50% PBS                                      |
| Isoflurane                                   | Covetrus                  | 11695-6777-2   |   |
| Leica DFC310FX microscope                    | Leica                     | Not applicable |   |
| Microscope Slide Boxes (50-place)            | VWR                       | Not applicable |   |
| PBT  | User preference           | Not applicable | 2.5 mL of Triton X-100 dissolved into 1000 mL of PBS                                |
| Perfusion two automated Perfusion System     | Leica                     | 39471005       |   |
| Phosphate-buffered saline (PBS) 20x          | VWR                       | VWRVE703-1L    | 25 °C, pH 7.3-7.5, 1x composition: 137 mM NaCl, 2.7 mM KCl, 9.8 mM Phosphate buffer |
| Slideing Microtome Microm HM450              | ThermoFisher              | Microm HM450   |   |
| Sodium Chloride                              | RICCA Chemical            | 7220-32        | 0.9%, 25 °C, pH 7.4   |
| Streptavidin Protein, DyLight 488            | ThermoFisher              | #21832         |   |
| Triton X-100                                 | Sigma-Aldrich             | 089k01921      |   |
| WFA antibody                                 | Sigma-Aldrich             | L1516          |   |
| Zeiss Axio Z1 Scanner                        | Zeiss                     | Not applicable |   |

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|------------------|--|--|------------------|
| Zen 3.1 software |  |  | scanner software |
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