

Materials List for:

# Slice Preparation, Organotypic Tissue Culturing and Luciferase Recording of Clock Gene Activity in the Suprachiasmatic Nucleus

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URL: <https://www.jove.com/video/2439>

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## Materials

| Name                            | Company                | Catalog Number | Comments                           |
|---------------------------------|------------------------|----------------|------------------------------------|
| B27 supplement 50x              | Invitrogen             | 17504-044      |                                    |
| Cover glasses                   | Menzel-Glaser          | 40#1           | ≈ 40 mm                            |
| Culture membranes               | EMD Millipore          | PICMORG50      | 0.4 μm                             |
| DMEM low glucose w/o phenol red | Sigma-Aldrich          | D2902          | Powder for 1L                      |
| Filter paper                    | Whatman, GE Healthcare | 1003 055       | ≈ 55 mm                            |
| Filtration set                  | Corning                | 431097         | Pore size 0.22 μm Polyethersulfone |
| Forceps                         | Allgaier Instrumente   | 0203-7-PS      | Dumant #7                          |
| HEPES                           | Invitrogen             | 15630-056      | 100 ml                             |
| HBSS 10x                        | Invitrogen             | 14065-049      | 500 ml                             |
| NaOCH <sub>3</sub> 7.5%         | Invitrogen             | 25080-060      | 50 ml                              |
| Luciferin                       | Promega Corp.          | E1602          | Beetle luciferin, potassium salt   |
| Micro rongeur tool              | Allgaier Instrumente   | 332-097-140    |                                    |
| PenStrep 10,000 U/ml            | Invitrogen             | 15140-122      | 100 ml                             |
| Petri dishes                    | Corning                | 430165         | ≈ 35 mm                            |
| PMT                             | Hamamatsu Corp.        | H9319-11MOD    |                                    |
| Disposable scalpels             | Paragon                | P503           | Size 11                            |
| Vacuum filter                   | Fisher Scientific      | 09-761-5       |                                    |
| Vacuum grease                   | Dow Corning            |                | 50 g                               |
| Vibratome                       | Campden Instruments    |                |                                    |