

Materials List for

# Isolation and Culture of Primary Cochlear Hair Cells from Neonatal Mice

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## URL

jove.com/video/65687

## Materials

| Name                             | Company                  | Catalog Number  | Comments                              |
|----------------------------------|--------------------------|-----------------|---------------------------------------|
| 100 mm BioLite cell culture dish | Thermo Fisher Scientific | 130182          | using for culture                     |
| 35 mm Nunc cell culture dish     | Thermo Fisher Scientific | 150318          | using for culture                     |
| 6-well palate                    | Thermo Fisher Scientific | 310109005       | using for culture                     |
| 70 µm cell strainers             | BD Company               | 352350          | using for filter                      |
| Alexa Fluor 488 Phalloidin       | Thermo Fisher Scientific | A12379          | immunofluorescent staining            |
| Anti-rabbit IgG Alexa Fluor 488  | Thermo Fisher Scientific | A11008          | immunofluorescent staining            |
| day 3-5 neonatal murine          |                          |                 | provided by Xi'an Jiaotong University |
| Dulbecco's Modified Eagle Medium | Thermo Fisher Scientific | 11965092        | using for culture                     |
| Fetal Bovine Serum               | Thermo Fisher Scientific | 12483020        | using for culture                     |
| Forceps                          | Dumont                   | 5#              | using for dissection                  |
| Leica anatomy microscope         | Germany                  | S9i             | using for dissection                  |
| Penicillin/streptomycin          | Thermo Fisher Scientific | 15140-122       | using for culture                     |
| Rabbit pycloal to Myosin VIIa    | Abcam company            | ab92996         | immunofluorescent staining            |
| Scissor                          | Belevor                  | 10cm/04.0524.10 | using for dissection                  |
| Triton X-100                     | Sigma Aldrich            | 9036-19-5       | immunofluorescent staining            |
| Trypsin                          | Thermo Fisher Scientific | 25200072        | using for culture                     |