

Materials List for

Simultaneous Isolation and Culture of Atrial Myocytes, Ventricular Myocytes, and Non-Myocytes from an Adult Mouse Heart

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Materials

| Name | Company | Catalog Number | Comments |
|---------------------------------------|-------------------------------------|----------------|-------------|
| (-)-Blebbistatin | Sigma-Aldrich | B0560 | |
| 1 Liter Water Jacketed Reservoir | Radnoti | 120142-1 | |
| 2,3-Butanedione monoxime | Sigma-Aldrich | B0753 | |
| 5-0 Silk Suture Thread | Fine Science Tools | 18020-50 | |
| Adenosine | Sigma-Aldrich | A9251 | |
| Bovine Serum Albumin | Sigma-Aldrich | A6003 | |
| Bubble Trap Compliance Chamber | Radnoti | 130149 | |
| Calcium Chloride Anhydrous | Fisher Scientific | C614-500 | |
| Carnitine hydrochloride | Sigma-Aldrich | C9500 | |
| Collagenase type 2 | Worthington Biochemical Corporation | LS004176 | |
| Creatine | Sigma-Aldrich | C0780 | |
| Dexamethasone | Sigma-Aldrich | D2915 | |
| DMEM/F12 (1:1; 1X) | Gibco | 11330-032 | |
| Dumont #7 - Fine Forceps | Fine Science Tools | 11274-20 | |
| Epifluorescent microscope | Olympus X70 | IX70 | |
| Fetal Bovine Serum (Heat Inactivated) | Omega Scientific | FB-12 | Lot# 206018 |
| Fine Scissors - Sharp | Fine Science Tools | 14060-09 | |
| Graefe Forceps | Fine Science Tools | 11051-10 | |
| Headband Magnifiers | Fine Science Tools | 28030-04 | |
| Hemocytometer (Bright-Line) | Hausser Scientific | 1475 | |
| HEPES (1M) | Gibco | 15630-080 | |
| Inosine | Sigma-Aldrich | I4125 | |
| Insulin-Transferrin-Selenium-X | Gibco | 51500-056 | |
| Isotemp 105 Water Bath | Fisher Scientific | NC0858659 | |
| Isotemp 3006 | Fisher Scientific | 13-874-182 | |

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|---|--------------------|-------------|--------------|
| Joklik Modified Minimum Essential Media | Sigma-Aldrich | M-0518 | |
| Laminin (Natural, Mouse) | Gibco | 1795024 | Lot# 1735572 |
| L-Glutamine | Sigma-Aldrich | G8540 | |
| Masterflex C/L Single-Channel Variable-Speed Compact Pump | Cole-Palmer | EW-77122-24 | |
| Minimum Essential Medium (MEM 1X) | Gibco | 12350-039 | |
| Molecular Biology Grade Water | Corning | 46-000-CM | |
| Pen Strep Glutamine (100X) | Gibco | 10378-016 | |
| Spring Scissors - 6mm Cutting Edge | Fine Science Tools | 15020-15 | |
| Taurine | Sigma-Aldrich | T-8691 | |