

Materials List for:

# Dual Labeling of Neural Crest Cells and Blood Vessels Within Chicken Embryos Using Chick<sup>GFP</sup> Neural Tube Grafting and Carbocyanine Dye Dil Injection

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## Materials

| Name                                                       | Company                                                                            | Catalog Number | Comments |
|------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|----------|
| Fertilised chick eggs                                      | Henry Stewart and Co, Louth, UK                                                    |                |          |
| Fertilised GFP chick eggs                                  | The Transgenic Chicken Facility, The Roslin Institute, The University of Edinburgh |                |          |
| Egg incubator (Profi-H Hatcher)                            | Lyon Technologies, CA, USA                                                         | 910-033        |          |
| 14C Incubator                                              | Precision Cooled Incubator, Leec Ltd., Nottingham, UK                              | Model LT2      |          |
| Stereo-microscope                                          | LEICA                                                                              | Model MZ 12.5  |          |
| Digital Camera                                             | LEICA                                                                              | DC500          |          |
| Image acquisition software                                 | LEICA                                                                              | IM50           |          |
| Goose neck halogen cold light source                       | Advanced Imaging Concepts, Inc                                                     | KL 1500 LCD    |          |
| 181/2 G hypodermic needle                                  | SIGMA - ALDRICH                                                                    | HSWNH181       |          |
| Pancreatin                                                 | SIGMA - ALDRICH                                                                    | P3292          |          |
| DMEM                                                       | SIGMA - ALDRICH                                                                    | D5030          |          |
| Goat serum                                                 | SIGMA - ALDRICH                                                                    | G6767          |          |
| 5 ml syringe                                               | SIGMA - ALDRICH                                                                    | Z248010        |          |
| Mouth tube                                                 | SIGMA - ALDRICH                                                                    | A5177          |          |
| Sigma Pasteur pipettes non-plugged, L 5 3/4 in.            | SIGMA - ALDRICH                                                                    | S6018          |          |
| Transfer pipettes, polyethylene                            | SIGMA - ALDRICH                                                                    | Z350796        |          |
| Borosilicate glass capillaries, thin wall without filament | Harvard apparatus                                                                  | PY8 30-0035    |          |
| Iris Scissors - ToughCut                                   | Fine Science Tools                                                                 | 14058-09       |          |
| Curved Iris Scissors - ToughCut                            | Fine Science Tools                                                                 | 14059-09       |          |
| Needle holders (Nickel-plated pin holder)                  | Fine Science Tools                                                                 | 26018-17       |          |
| Pascheff-Wolff Spring Scissors                             | Fine Science Tools                                                                 | 15371-92       |          |
| Dumont #5 forceps                                          | Fine Science Tools                                                                 | 11251-30       |          |
| Minutien pins                                              | Fine Science Tools                                                                 | 26002-15       |          |
| Dumont AA forceps, Inox Epoxy-coated                       | Fine Science Tools                                                                 | 11210-10       |          |
| Perforated spoon                                           | Fine Science Tools                                                                 | 10370-18       |          |

|                                                          |                    |                                              |  |
|----------------------------------------------------------|--------------------|----------------------------------------------|--|
| Tungsten needles (0.125mm diameter)                      | Fine Science Tools | 10130-05                                     |  |
| Sellotape (clear, 24 mm width)                           | Any Supplier       |                                              |  |
| Pen/Strep (Penicillin, Streptomycin) Solution            | VWR international  | 101447-068                                   |  |
| Sylgard 184 silicone elastomer kit                       | Dow Corning        | S09 512 516                                  |  |
| Pelikan black ink                                        | Pelikan            | 211-169                                      |  |
| CellTracker CM-Dil                                       | Molecular Probes   | C-7001                                       |  |
| DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)    | Molecular Probes   | D1306                                        |  |
| Settings for glass needle puller                         | Sutter Instruments | Flaming/Brown micropipette puller model P-86 |  |
| Heat 950; Pull 150; Velocity 100; Time 200; Pressure 500 |                    |                                              |  |