

Materials List for:

# The Rodent Model of Nonarteritic Anterior Ischemic Optic Neuropathy (rNAION)

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## Materials

| Name                                                                                 | Company                       | Catalog Number | Comments                                                                                    |
|--------------------------------------------------------------------------------------|-------------------------------|----------------|---------------------------------------------------------------------------------------------|
| 50 mW 532 nm laser                                                                   | Iridex                        |                | Standard Ophthalmic Laser                                                                   |
| 0 - 100 mW 532 nm laser                                                              | Laserglow technologies        |                | Substitute for iridex                                                                       |
| Laser slit lamp adapter                                                              | Iridex                        |                | SMA coupled adapter for laser output                                                        |
| Coherent Fieldmate laser meter with thermopile sensor                                | Coherent                      |                | others also appropriate                                                                     |
| Ophthalmic Examining Slit lamp biomicroscope                                         | Various                       |                | Haag-Streit is the best; cheaper versions available on ebay                                 |
| Rose Bengal                                                                          | Sigma                         | 330000-1G      | Photoinducing agent                                                                         |
| Fundus Contact lens or glass cover slip                                              | custom/Cantor and Nissel (UK) |                | Custom designed planoconvex plastic lens for eye exam and induction                         |
| Tropicamide 1%                                                                       |                               |                |                                                                                             |
| Tamiya polishing compound                                                            | Tamiya, INC                   | 87068          | polishing contact lens                                                                      |
| 2.5% Hypromellose (Goniovisc)/1% Methycellulose                                      | HUB Pharmaceuticals           |                | contact lens coupling agent                                                                 |
| 2.5% Neosynephrine Ophthalmic drops                                                  | Alcon labs                    |                | pupil dilating agent                                                                        |
| Tropicamide 1%                                                                       | Alcon labs                    |                | pupil dilating agent                                                                        |
| 0.5% Proparacaine                                                                    | Alcon labs                    |                | topical Anesthetic                                                                          |
| 30 G fused needle insulin syringe                                                    | Various                       | Various        | for intravenous injection of rose bengal                                                    |
| Ophthalmic Antibiotic ointment with dexamethasone added (Triple antibiotic ointment) | Various                       | Various        | Apply after induction to minimize corneal scarring                                          |
| Heidelberg Corporation Spectral domain-Optical Coherence Tomograph                   | Heidelberg Corporation        |                | For Optical coherence measurements baseline and post-induction; not essential for induction |