

Materials List for:

An *In Vivo* Assessment of Blood-Brain Barrier Disruption in a Rat Model of Ischemic Stroke

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Materials

| Name | Company | Catalog Number | Comments |
|---|----------------------------------|----------------|-------------|
| Isoflurane | Piramal | AWN 34041100 | 20 - 25 °C |
| 2,3,5-Triphenyltetrazolium chloride (TTC) | Molekula | 31216368 | 4 years |
| Sprague–Dawley rats | Pasture Institute (Tehran, Iran) | | 300-350g |
| Evans Blue | Sigma-Aldrich | 314-13-6 | |
| Trichloroacetic acid | Sigma-Aldrich | 76-03-9 | 2 years |
| Bupivacaine HCl (0.5%) | Delpharm Tours | | below 25 °C |
| Bupernorphine | Exir (Iran) | | |
| Sodium Carbonate | Sigma-Aldrich | 497-19-8 | |
| Sodium chloride | Sigma-Aldrich | 7647-14-5 | |
| Di- Sodium hydrogen phosphate | EMD Millipore | 231-448-7 | |
| Potassium chloride | Sigma-Aldrich | 7447-40-7 | |
| Ethanol | Sigma-Aldrich | 64-17-5 | |
| silicone(Xantopren) | Heraeus | EN ISO 4823 | |
| Activator universal plus | Heraeus | 66037445 | |
| Micro-Dissecting forceps | Stoelting | 52100-41 | |
| Spring Scissors | Stoelting | 52130-00 | |
| Operating Scissors | Roboz | 52140-70 | |
| Brain matrix | Stoelting | 51390 | |
| Anesthesia Machine for Small Animals | Kent Scientific | SS-01 | |
| Power Lab system | AD Instruments | ML880 | |
| Laser Doppler flowmeter | AD Instruments | ML191 | |
| Heating feed back system | Harvard Apparatus | 72-7560 | |
| Vascular micro clamp | FineScience Tools | 18055-03 | |
| Silk 5-0 suture thread | Ethicon | 682G | |
| Ethilon 4-0 suture thread | Ethicon | EH6740G | |