

Materials List for:

Scaffold-supported Transplantation of Islets in the Epididymal Fat Pad of Diabetic Mice

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Materials

| Name | Company | Catalog Number | Comments |
|-------------------------------|-------------------|----------------|-------------|
| Dissecting scissor | Ningbo Medical | | |
| Forceps | Ningbo Medical | | |
| 0.5 mm diameter wire mesh | Ningbo Medical | | |
| 70 µm cell strainer | Falcon | 352350 | |
| Artery hemostatic clamp | Ningbo Medical | | |
| Microscopic hemostatic clamp | Ningbo Medical | | |
| Hemostatic forceps | Ningbo Medical | | |
| Absorbable 6-0 PGLA sutures | JINHUAN | | With needle |
| Wound clip | Ningbo Medical | | |
| Cotton swab | Ningbo Medical | | |
| Gauze | Ningbo Medical | | |
| Sterile drapes | Ningbo Medical | | |
| 10mL syringe | JINGHUAN | | |
| 1 mL syringe | JINGHUAN | | |
| 27G intravenous needle | JINGHUAN | 0.45x15 RWSB | |
| 1.5 mL Eppendorf tube | Axygen | | |
| 15mL conical tube | Corning | 430791 | |
| 50mL conical tube | Corning | 430829 | |
| 35mm Non-treated Peri-dishes | Corning | 430588 | |
| Transwell | Corning | 3422 | |
| 0.22 µm filter | Pall | PN4612 | |
| 10 mL serological pipet | Corning | 4488 | |
| Pipet filler S1 | Thermo Scientific | 9501 | |
| Pipette (2-20µL) | Axygen | AP-20 | AXYPET™ |
| Dissecting microscope | Olympus | SZ61 | |
| Centrifuge | Eppendorf | 5810R | |
| Hank's balanced salt solution | Gibco | C14175500CP | |
| Collagenase P | Roche | COLLP-RO | |
| Histopaque 1077 | Sigma | 10771 | |
| RPMI 1640 | Gibco | 11879-20 | |
| FBS | Gibco | 16000-044 | |
| D-glucose | Gibco | A24940-01 | |

| | | | |
|---------------------------|----------------|-----------|------------------|
| Glucose meter | Roche | | ACCU-CHEK |
| Penicillin-streptomycin | Gibco | 15140-122 | |
| Streptozotocin | Sigma | V900890 | Vetec™ |
| Chloral hydrate | J&K | C0073 | |
| Sodium citrate | Sigma | 71497 | |
| Citric acid | Sigma | C2404 | |
| Iodophors | Ningbo Medical | | |
| C57BL/6J, 10-12 weeks old | VitalRiver | | Beijing, China |
| Decellularized scaffold | Guanhao Biotec | 131102 | Guangzhou, China |