

Materials List for:

Inguinal Subcutaneous White Adipose Tissue (ISWAT) Transplantation Model of Murine Islets

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Materials

| Name | Company | Catalog Number | Comments |
|--|---|----------------|--|
| 0.22 µm Syringe-driven Filter Unit | Merck Millipore | SLHV033RB | |
| 1.5 mL centrifuge tube | Axygen | MCT-150-C | |
| 5 mL Pasteur pipette | JingAn Biological, China | J00085 | |
| 5 mL syringe | Szboon, China | 20170829 | |
| 50 mL conical tube | Corning | 430829 | |
| 5-0 surgical suture | sh-Jinhuan, China | CR537 | |
| 60 mL syringe | Szboon, China | 20170623 | |
| 75% Ethanol | LIRCON, China | 9180527 | |
| Alexa Fluor 488 donkey anti-mouse IgG(H+L) | Invitrogen | A21202 | Dilution (1:200) |
| anti-mouse Glucagon antibody | Abcam | ab10988 | Dilution (1:100) |
| anti-mouse insulin antibody | Cell Signaling Technology | 3014s | Dilution (1:100) |
| blunt-pointed perfusion needle | Oloey, China | 005 | 32G, yellow |
| BSA | Meilune, China | MB4219 | |
| C57BL/6 Mice | Medical Animal Center of Guangdong Province | | 8~10 weeks |
| cell culture dish | BIOFIL, China | TCD000100 | General, Non-treated, 87.8 mm diameter |
| centrifuge | Thermo Scientific | ST16R | |
| cephalosporin | Lukang medical, China | 150303 | |
| CMRL-1066 | Sigma-Aldrich | C0422 | |
| Codos Pet Clipper | Szcodos, China | CP-8000 | |
| collagenase Type V | Sigma | C9262 | |
| DAPI | Thermo Fisher | D1306 | |
| D-hank's buffer | Coolaber, China | PM5140-10 | |
| dithizone | Sigma-Aldrich | D5130 | |
| Dnase I | Sigma-Aldrich | D4263 | |
| Eosin staining media | Beyotime Biotech, China | C0109 | |
| FBS | GE Healthcare Life Sciences | SH30084 | |

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|---|---------------------------|-------------------------|--|
| fluorescein diacetate (FDA) | Thermo Fisher | F1303 | |
| fluorescent microscope | Leica | DMIL | |
| gel-loading pipet tips | Corning | CLS4884 | |
| HBSS | Coolaber, China | PM5150-10 | |
| hematoxylin staining media | Cell Signaling Technology | 14166S | |
| HISTOPAQUE-1077 | Sigma-Aldrich | RNBG0522 | |
| HISTOPAQUE-1119 | Sigma-Aldrich | RNBG0536 | |
| Hydrogel | BD Biosciences | 356234 | Basement Membrane Matrix |
| Iodophor | LIRCON, China | 5190313 | |
| light-tight culture dish | DVS, China | AN-5058548 | self-made, glass dish sprayed with black paint |
| Medical Adhesive Tape | Cofee, China | K12001 | |
| non-invasive microtweezers | RWD Life Science | F11033-11 and F12016-15 | |
| One Touch ultraeasy Basic blood glucose monitoring system | Johnson & Johnson | 33391713 | |
| ophthalmic scissors | RWD Life Science | S12012-12 and S11001-08 | |
| P/S (penicillin / streptomycin) | Gibco | 15140-122 | |
| pentobarbital sodium | Sigma-Aldrich | P-010 | |
| Propidium iodide | Sigma-Aldrich | P4864 | |
| STZ (streptozotocin) | Sigma-Aldrich | S0130 | |
| Test Strip | GenUltimate | 100-50 | |
| TRITC-conjugated Goat anti-Rabbit IgG(H+L) | proteintech | SA00007-2 | Dilution (1:200) |
| vascular clamp | RWD Life Science | R31006-04 | |