

Materials List for:

Purification and microRNA Profiling of Exosomes Derived from Blood and Culture Media

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Materials

| Name | Company | Catalog Number | Comments |
|---|------------------------------|----------------|---|
| EDTA coated vacutainer (10 ml tubes) | BD Diagnostics | 366643 | For exosome purification from human blood |
| EDTA coated vacutainer (2 ml tubes) | BD Diagnostics | 367841 | For exosome purification from mouse blood |
| PAXgene Blood RNA Tube | BD Diagnostics | 762165 | For miRNA isolation from total blood |
| miRVana microRNA isolation kit | Ambion | AM1561 | |
| Acid-Phenol: CHCl ₃ | Ambion | 9721G | |
| DNase 1 | Qiagen | 79254 | |
| TaqMan Universal PCR Master Mix, No AmpErase UNG | Applied Biosystems | 4326614 | For TLDA cards |
| Megaplex RT rodent Pool Set v3.0 | Applied Biosystems | 4444746 | |
| Megaplex preamp rodent Pool set v3.0 | Applied Biosystems | 4444747 | |
| Taqman Array Rodent MicroRNA A +B set V3.0 | Applied Biosystems | 4444909 | |
| Megaplex RT Human Pool set V3.0 | Applied Biosystems | 4444745 | |
| Megaplex Preamp human pool set v3.0 | Applied Biosystems | 4444748 | |
| Taqman Array Human MicroRNA A +B Cards Set v3.0 | Applied Biosystems | 4444913 | |
| Taqman MicroRNA RT kit | Applied Biosystems | 4366596 | |
| Taqman fast universal PCR master mix | Applied Biosystems | 4366072 | For mRNA qRT-PCR |
| Tumor necrosis factor (primer probe) | Applied Biosystems | Hs01113624_g1 | |
| Vascular endothelial growth factor A (primer probe) | Applied Biosystems | Hs00900055_m1 | |
| Maxima First Strand cDNA Synthesis Kit for RT-qPCR | Thermo Scientific | K1642 | For mRNA |
| HSP70 antibody | Abcam | ab94368 | For western blot |
| Anti-rabbit IgG-Gold | Sigma | G7402 | For electron microscopy |
| Rabbit-anti CD81 | Sigma | SAB3500454 | |
| Nickel 300 mesh carbon formvar grids | Electron Microscopy Sciences | FCF300-Ni | |
| Copper 300 mesh carbon formvar grids | Electron Microscopy Sciences | FCF300-Cu | |

Table 1. Table of specific reagents.