

Materials List for:

# Competitive Transplants to Evaluate Hematopoietic Stem Cell Fitness

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## Materials

| Name                                                                         | Company           | Catalog Number | Comments                                                               |
|------------------------------------------------------------------------------|-------------------|----------------|------------------------------------------------------------------------|
| Microtainer tubes with K <sub>2</sub> EDTA                                   | BD Biosciences    | 365974         |                                                                        |
| 20 G needle                                                                  | BD Syringe        |                | For blood sampling from the mandibular vein                            |
| LabQuake Shaker rotisserie                                                   | Thermo Scientific | C415110        |                                                                        |
| Purified anti-mouse CD16/CD32 (clone 2.4G2, Fc Block)                        | BD Biosciences    | 553142         | 2.50 µg/ml                                                             |
| Pe-Cy7-conjugated anti-mouse CD3e (clone 145-2C11)                           | eBioscience       | 25-0031        | 0.25 µg/ml                                                             |
| PE-conjugated anti-mouse CD19 (clone 1D3)                                    | eBioscience       | 12-0193        | 0.25 µg/ml                                                             |
| APC-eFluor780 (APC-Cy7 equivalent)-conjugated anti-mouse GR1 (clone RB6-8C5) | eBioscience       | 47-5931        | 0.25 µg/ml                                                             |
| FITC-conjugate anti-mouse CD45.1 (clone A20)                                 | eBioscience       | 11-0453        | 2.50 µg/ml                                                             |
| eFluor450-conjugated anti-mouse CD45.2 (clone 104)                           | eBioscience       | 48-0454        | 1.00 µg/ml                                                             |
| Biotinylated anti-human/mouse CD45R (B220) (clone RA3-6B2)                   | eBioscience       | 13-0452        | 1.25 µg/ml                                                             |
| Biotinylated anti-mouse CD3e (clone 145-2C11)                                | eBioscience       | 13-0031        | 1.25 µg/ml                                                             |
| Biotinylated anti-mouse CD11b (clone M1/70)                                  | eBioscience       | 13-0112        | 1.25 µg/ml                                                             |
| Biotinylated anti-mouse GR1 (clone RB6-8C5)                                  | eBioscience       | 13-5931        | 1.25 µg/ml                                                             |
| Biotinylated anti-mouse TER119 (clone TER119)                                | eBioscience       | 13-5921        | 0.625 µg/ml                                                            |
| V500 streptavidin                                                            | BD Biosciences    | 56149          | 0.5 µg/ml                                                              |
| PE-conjugated anti-mouse CD117 (clone 2B8)                                   | BD Biosciences    | 553355         | 0.25 µg/ml                                                             |
| PE-Cy7-conjugated anti-mouse Ly6A/E (Sca1) (clone D7)                        | BD Biosciences    | 558162         | 0.25 µg/ml                                                             |
| PerCP-eFluor710-conjugated anti-mouse CD135 (clone A2F10)                    | eBioscience       | 46-1351        | 0.5 µg/ml                                                              |
| Alexa fluor 647-conjugated anti-mouse CD150 (clone TC15-12F12.2)             | Biolegend         | 115918         | 0.625 µg/ml BD Biosciences and eBioscience do not carry the same clone |
| 1 ml tuberculin syringe with 27 G needle                                     | BD Syringe        | 309623         |                                                                        |
| 1 ml tuberculin syringe with 25 G needle                                     | BD Syringe        | 309626         |                                                                        |
| 70 µm cell strainer                                                          | BD Falcon         | 352350         |                                                                        |