

Materials List for:

# Endothelialized Microfluidics for Studying Microvascular Interactions in Hematologic Diseases

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## Materials

| Name  | Company                        | Catalog Number | Comments   |
|---|--------------------------------|----------------|--|
| blunt point needle                              | OK International               | 920050-TE      | Precision TE needle 20 Gauge x 1/2", pink        |
| dextran   | Sigma-Aldrich                  | 31392          |  |
| Fibronectin                                     | Sigma-Aldrich                  | F0895          |  |
| Hole puncher (pin vise)                         | Technical Innovations          |                |  |
| Human umbilical cord endothelial cells (HUVECs) | Lonza                          | CC-2519        |  |
| Plasma cleaner                                  | Plasma                         | PDC-326        |  |
| Polydimethylsiloxane (PDMS)                     | Fisher Scientific              | NC9285739      | Sylgard 184 Silicone Elastomer KIT               |
| Sigmacote                                       | Sigma-Aldrich                  | SL2            |  |
| SU-8 2025                                       | Microchem                      | Y111069        |  |
| SU-8 Developer                                  | Microchem                      | Y020100        |  |
| Syringe pump                                    | Harvard Apparatus              | 70-3008        | PHD-ULTRA  |
| tubing(larger)                                  | Cole-Parmer Instrument Company | 06418-02       | Tygonreg microbore tubing, 0.020" ID x 0.060" OD |
| tubing(smaller)                                 | Cole-Parmer Instrument Company | 06417-11       | PTFE microbore tubing, 0.012" ID x 0.030" OD     |