

Materials List for:

Quantifying Single Microvessel Permeability in Isolated Blood-perfused Rat Lung Preparation

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Materials

| Name | Company | Catalog Number | Comments |
|---------------------------------|-----------------------------|----------------|--|
| Tygon Tubing | Fisher Scientific | | #18 |
| Pressure Transducer | Data Sciences International | P23XL | Need quantity 3 |
| Butterfly Needle | Greiner Bio-One | 450081 | 21 G |
| Peristaltic pump | Cole Parmer | Masterflex L/S | |
| PE-90 tubing | Becton Dickinson | 427421 | 30 cm needed |
| PE-10 tubing | Becton Dickinson | 427401 | 40 cm needed |
| Syringe Pump | Braintree Scientific | BS8000 | |
| O-ring | | | Custom made with a 20 mm diameter hole and a handle to secure O-ring to holder |
| Upright fluorescence microscope | Olympus America | BX61WI | |
| Image Acquisition Software | Molecular Devices | Metamorph | |
| FITC Dextran 20KD | Sigma Aldrich | | 0.5 mg/ml (A dextran of different molecular size can be selected, if trial experiments indicate its suitability based on the calculated permeability index values) |
| Lipopolysaccharide | Sigma Aldrich | | Serotype 0111:B4 |