

Materials List for:

Implantation of Fibrin Gel on Mouse Lung to Study Lung-specific Angiogenesis

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URL: <https://www.jove.com/video/52012>

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Materials

| Name | Company | Catalog Number | Comments |
|--------------------------------|--------------------------|----------------|-----------------------------------|
| Fibrinogen from human placenta | Sigma | F4883 | For fabrication of fibrin gel |
| Thrombin from bovine plasma | Sigma | T9549 | For fabrication of fibrin gel |
| Recombinant mouse VEGF 164 | R&D | 493-MV | For supplementation to fibrin gel |
| Recombinant mouse bFGF | R&D | 3139-FB | For supplementation to fibrin gel |
| Rodent Intubation Stand | Braintree Scientific INC | RIS 100 | For intubation |
| Fiber-Optic Light Source | Fisher Scientific | 12-565-35 | For intubation |
| 21 G Elastic catheter | B.Braun | 4251652-02 | For intubation |
| MiniVent Ventilator | Harvard Apparatus | CGS-8009 | For ventilation |
| Stemi DV4 Steromicroscope | Fisher Scientific | 12-070-515 | For surgery |
| Absorbable suture | Ethicon | PDP304 | Surgical suture |
| Antibody against CD31 | BD Biosciences | 553370 | Immunohistochemistry |
| Antibody against AQP5 | Abcam | AB78486 | Immunohistochemistry |
| Antibody against SP-B | Abcam | AB40876 | Immunohistochemistry |