

**Materials List for:**

# Studying the Effects of Matrix Stiffness on Cellular Function using Acrylamide-based Hydrogels

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URL: <https://www.jove.com/video/2089>

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## Materials

| Name                                               | Company                        | Catalog Number      | Comments                     |
|----------------------------------------------------|--------------------------------|---------------------|------------------------------|
| Glutaraldehyde, 70%                                | Sigma-Aldrich                  | G7776               | Store at -20°C               |
| 3-APTMS (3-Aminopropyltrimethoxysilane 97%)        | Sigma-Aldrich                  | 281778              | Store at room temperature    |
| SurfaSil Siliconizing Fluid                        | Thermo Fisher Scientific, Inc. | 42800               | Store at room temperature    |
| NHS (N-hydroxysuccinimide Ester)                   | Sigma-Aldrich                  | A-8060              | Store at 4°C Replace monthly |
| Albumin, bovine serum, essentially fatty acid free | Sigma-Aldrich                  | A6003-100G          | Store at 4°C                 |
| Coverslips (25mm)                                  | Fisher Scientific              | 12-545-86 25 Cir 1D |                              |
| Coverslips (18mm)                                  | Fisher Scientific              | 12-545-84 18 Cir 1D |                              |