

Materials List for:

# Autologous Blood Injection to Model Spontaneous Intracerebral Hemorrhage in Mice

Lauren H. Sansing<sup>1,2,3</sup>, Scott E. Kasner<sup>2</sup>, Louise McCullough<sup>1</sup>, Puneet Agarwal<sup>2</sup>, Frank A. Welsh<sup>4</sup>, Katalin Kariko<sup>4</sup>

<sup>1</sup>Department of Neurology, University of Connecticut Health Center

<sup>2</sup>Department of Neurology, School of Medicine, University of Pennsylvania

<sup>3</sup>Department of Neurosurgery, Hartford Hospital

<sup>4</sup>Department of Neurosurgery, School of Medicine, University of Pennsylvania

Correspondence to: Lauren H. Sansing at [sansing@uchc.edu](mailto:sansing@uchc.edu)

URL: <https://www.jove.com/video/2618>

DOI: [doi:10.3791/2618](https://doi.org/10.3791/2618)

## Materials

Name	Company	Catalog Number	Comments
Stereotaxic frame for mouse neurosurgery (St–lting, 51925)			
Microinfusion pump and processor (UMP-3 and Micro4, World Precision Instruments, Sarasota, FL)			
Mouse warmer (St–lting, 50300)			
Inhalational mouse anesthesia (Braintree Scientific, EZ-AF9000)			
25 µL gastight borosilicate Hamilton syringe with coated plunger and no needle			
(Hamilton company, Reno, NV, 1702RN syringe: 765401, ferrule: 30949, spacer: 30946)			
fused silica needle cut to 2 cm length (Hamilton, 17739)			note Hamilton syringe and fused silica needle may be reused for multiple surgeries if sterilized prior to each surgery. These materials are crucial to avoid blood clotting.
Sterile surgical gloves			
Surgical gown, bonnet and mask			
Betadine			
75% ethanol			
sterile 27 g needle (single use)			
sterile 1 cc syringe (single use)			
sterile surgical blade			
Cidex			
sterile water			
buprenorphine and isoflurane			
sterile gauze			
paraffin wax paper squares			
Veterinary surgical glue (Vetbond, 3M, St. Paul, MN)			