

# Intraductal Delivery and X-ray Visualization of Ethanol-Based Ablative Solution for Prevention and Local Treatment of Breast Cancer in Mouse Models

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jove.com/video/63457

## Materials

Name	Company	Catalog Number	Comments
AnalyzeDirect v12.0	Caliper	n/a	For micro-CT image processing
Carprieve, Carprofen 50 mg/mL	Allivet	50647	For anti-inflammatory treatment
Evans blue	Sigma	E2129-50G	For injection visualization
Hot water bath	Toolots	Yidu_HH-S2	For preparing carprofen cups
Imaris	Bitplane	n/a	For confocal image processing
MediGel Sucralose Cups	ClearH2O	74-02-5022	For delivery of carprofen
Model 1705 RN Syringe, 50µL	Hamilton	7655-01	For intraductal injection
Photoshop 2021	Adobe	n/a	For image processing
Quantum GX2 microCT Imaging System	Perkin Elmer	CLS149276	For micro-CT image acquisition
Small Hub RN Needle, 34 gauge, custom (12° bevel angle, 0.375 in, point style 4)	Hamilton	207434	For intraductal injection
Stereo Microscope SZM Series	AmScope	SM-4TPZ-144	For intraductal injection
Sterile blue food dye	McCormick	930641	For injection visualization
Sterile phosphate buffered saline (PBS)	ThermoFisher	14190250	For solution preparation
Stickers	DOT Scientific	DOTSCI-C50	For preparing carprofen cups
Sucrose	Calbiochem	8550-5KG	For intraductal injection
Syringes	Fisher	14-826-79	For preparing carprofen cups

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Vortex	VWR	10153-834	For preparing carprofen cups
Warming pump/pad(s)	Braintree Scientific	HTP-1500 120V; AP-R 26E	For intraductal injection/preoperative preparation