

Materials List for:

Tissue Engineering of the Intestine in a Murine Model

Erik R. Barthel¹, Allison L. Speer¹, Daniel E. Levin¹, Frédéric G. Sala¹, Xiaogang Hou¹, Yasuhiro Torashima¹, Clarence M. Wigfall¹, Tracy C. Grikscheit¹

¹Children's Hospital Los Angeles, Division of Pediatric Surgery, Saban Research Institute, Keck School of Medicine of the University of Southern California

Correspondence to: Tracy C. Grikscheit at tgrikscheit@chla.usc.edu

URL: <https://www.jove.com/video/4279>

DOI: [doi:10.3791/4279](https://doi.org/10.3791/4279)

Materials

Name	Company	Catalog Number	Comments
HBSS	Gibco	114170-112	
Antibiotic-Antimycotic 100X	Invitrogen	15240-062	
Dispase	Gibco	17105-041	
Collagenase Type 1	Worthington	LS004194	
DMEM High Glucose 1X	Gibco	11995-065	
Heat inactivated FBS	Invitrogen	16140-071	
Biofelt 100% PGA	Concordia Medical	FELT01-1005	For polymer preparation as in Ref. 4
Poly-L-lactic acid	Durect	B6002-1	For polymer preparation as in Ref. 4
Type I Collagen, rat tail	Sigma-Aldrich	C3867-1VL	For polymer preparation as in Ref. 4
Ketoprofen 100 mg/ml	Fort Dodge Animal Health	71-KETOI-100-50	
LabDiet 5001 rodent chow	LabDiet	5001	
Septra 200 mg / 40 mg per 5 ml, USP	Hi-Tech Pharmacal	50383-824-16	
Isoflurane, USP	Phoenix Pharmaceuticals	57319-507-06	