

Materials List for

Studying Murine Small Bowel Mechanosensing of Luminal Particulates

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jove.com/video/63697

Materials

Name	Company	Catalog Number	Comments
C57BL/6J mice	Jackson Laboratory	664	other mice can be used with this protocol
Dissection tools	n/a	n/a	
Excel software	Microsoft	n/a	used for spreadsheet analysis
Fluorescent Green Polyethylene Microspheres 1.00g/cc 75-90um - 10g	Cospheric	UVPMS-BG-1.00 75-90um - 10g	"smaller beads" in the manuscript
Fluorescent Green Polyethylene Microspheres 1.00g/cc 180-212um - 10g	Cospheric	UVPMS-BG-1.00 180-212um - 10g	"larger beads" in the manuscript
Gavage needles	Instech	FTP-18-50-50	
ImageJ software	n/a	n/a	used to extract fluorescence profile
Laminated ruler paper (prepared in-house)	n/a	n/a	
Methyl cellulose (viscosity: 400 cP)	Sigma	M0262	
Photoshop software	Adobe	n/a	used for image processing
Rhodamine B isothiocyanate-Dextran	Sigma	r8881-100mg	"liquid" condition in the manuscript
Xenogen IVIS 200	Perkin Elmer	124262	In vivo imaging system