

Materials List for:

***In Vitro* and *In Vivo* Approaches to Determine Intestinal Epithelial Cell Permeability**

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URL: <https://www.jove.com/video/57032>

DOI: [doi:10.3791/57032](https://doi.org/10.3791/57032)

Materials

Name	Company	Catalog Number	Comments
22 G gavage needle	VWR	20068-608	
4 kDa FITC-dextran	Sigma	46944	
Avertin	Sigma	T48402	
Black 96-well plates for fluorescence	Fisher	14-245-197A	
C57/B6 mice	Nanjing Biomedical Research Institute of Nanjing University		
Caco-2BBE cells	ATCC	CRL-2102	
Dextran sulphate sodium	MP Biomedicals	2160110	
DMED with high glucose and sodium pyruvate	Hyclone	SH30243.01B	
Epithelial (Volt/Ohm) Meter	Millicell-ERS	MERS00002	
Ethanol	Sinopharm Chemical Reagent	10009218	
Falcon tube (15 mL)	Corning	430791	
FBS	Gibco	10437-028	
Fluorescence microscope	Olympus	FV1000	
Fluorometer	Biotek	Synergy 2	
HBSS			138 mM NaCl, 0.3 mM Na ₂ HPO ₄ , 0.4 mM MgSO ₄ , 0.5 mM MgCl ₂ , 5.0 mM KCl, 0.3 mM KH ₂ PO ₄ , 15.0 mM HEPES, 1.3 mM CaCl ₂ , 25 mM glucose
IFNg	PeproTech	315-05-20	
Modular Tissue Embedding Center	Leica	EG1150H	
Serum collection tubes	Sarstedt	41.1378.005	
T75 flask	Corning	430641	
TNF	PeproTech	315-01A	
Paraffin	Sigma	A6330-1CS	
Polycarbonate membranes (Transwell)	Costar	3413	
Pressure pump	AUTOSCIENCE	AP-9925	
Rotary Microtomy	Leica	RM2235	
Trypsin-EDTA	Gibco	25200-056	
Xylene	Sinopharm Chemical Reagent	10023418	