

Materials List for:

# Extraction of Plant-based Capsules for Microencapsulation Applications

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## Materials

Name	Company	Catalog Number	Comments
<i>Lycopodium clavatum</i> spores (s-type)	Sigma	19108-500G-F	
Bovine serum albumin	Sigma	A2153-50G	
FITC-conjugated BSA	Sigma	A9771-250MG	
Phosphoric acid (85% w/v)	Sigma	438081-2.5L	
Hydrochloric acid	Sigma	V800202	
Sodium hydroxide	Sigma	S5881-1KG	
Acetone	Sigma	V800022	
Ethanol	AcME	C000356	
Deionized water	Millipore purified water		
Qualitative filter paper (grade No. 1, cotton cellulose)			
Polystyrene microspheres (50 ± 1 μm)	Thermoscientific (CA, USA)	4250A	
Vectashield	Vector labs (CA, USA)	H-1000	
Sticky-slides, D 263 M Schott glass, No.1.5H (170 μm, 25 mm x 75 mm) unsterile glass slide	Ibidi GmbH (Munich, Germany)	10812	
Commercial <i>Lycopodium</i> SECs (L-type)	Polysciences, Inc. (PA, USA)	16867-1	
Heating plates	IKA, Germany		
Scanning electron microscope	Jeol, Japan	JFC-1600	
Elemental analyzer	Elementar, Germany	VarioEL III	
FlowCam: The benchtop system	Fluid Imaging Technologies, USA	FlowCamVS	
Confocal laser scanning microscope	Carl Zeiss, Germany	LSM710	
Freeze dryer	Labconco, USA		
UV Spectrometer	Boeco, Germany	S220	