

Materials List for:

Chemical Synthesis of Porous Barium Titanate Thin Film and Thermal Stabilization of Ferroelectric Phase by Porosity-Induced Strain

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URL: <https://www.jove.com/video/57441>

DOI: [doi:10.3791/57441](https://doi.org/10.3791/57441)

Materials

Name	Company	Catalog Number	Comments
Diblock Copolymer PS(18000)- <i>b</i> -PEO(7500)	Polymer Source, Inc.	#8399-SEO	
Acetic acid (37 wt.%)	Wako	017-00256	
Tetrahydrofuran	Wako	204-08745	
Barium acetate	Sigma-Aldrich	243671-100G	
Titanium(IV) butoxide	Sigma-Aldrich	244112-100G	
Reference bulk BT single crystal	Crystal Base Co., Ltd.		
Balance	Sartorius		
Hot stirrer	IKA	RCT basic	
Spin coater	Active	ACT-300DII	
Hot plate	As one	ND-1	
Muffle Furnace	Yamato Scientific Co., Ltd.	FO series	
Scanning electron microscopy	Hitachi	SU-8000	
Transmission electron microscopy	Hitachi	H-9000NAR	
Wide-angle X-ray diffraction	Rigaku	RINT-Ultima III	
Raman microscope	Horiba	XploRA Plus	