

Materials List for:

Measuring Magnetically-Tuned Ferroelectric Polarization in Liquid Crystals

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Materials

Name	Company	Catalog Number	Comments
Material			
Compound 1: Figure 4(A)	DIC Co., Ltd.	–N/A	PYP-808
Compound 2: Figure 4(B)	DIC Co., Ltd.	N/A	PYP-10O10F
ITO-coated glass substrates	Sigma-Aldrich Inc.	703192-10PK	
Detergent	Wako Pure Chemical Industries, Ltd.	031-10401	
Alignment layer planer	JSR Co., Ltd.	AL1254	
Spacer	Teijin Film Solutions Co., Ltd.	Q51-12	
Glue	Huntsman Inc.	ARALDITE RT30	For gluing two substrates
Glue	M&I Materials Ltd.	Apiezon H Grease	For gluing a cell and homemade insert
Silver paste	Fujikura Kasei Co., Ltd.	D-753	
Equipment			
Ultrasonic cleaner	AS ONE Corp.	AS52GTU	
Spin coater	Mikasa Co. Ltd.	1H-D7	
Polarized optical microscope	Nikon Co., Ltd.	ECLIPSE LV100N POL	
Short-pass filter	Thorlabs Inc.	FB600-40	
Optical spectrometer	Ocean Optics Inc.	USB2000+UV-VIS	
Differential thermal analyzer	Rigaku Co., Ltd.	Thermo plus EVO2	
Superconducting magnet	Quantum Design Inc.	PPMS	
LCR meter	Keysight Technologies Ltd.	E4980A	
Electrometer	Keithley Instruments Inc.	6517A	