

Materials List for:

Studying Soft-matter and Biological Systems over a Wide Length-scale from Nanometer and Micrometer Sizes at the Small-angle Neutron Diffractometer KWS-2

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URL: <https://www.jove.com/video/54639>

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Materials

Name	Company	Catalog Number	Comments
heavy water D ₂ O	Sigma-Aldrich	151882	
heavy water D ₂ O/H ₂ O	Sigma-Aldrich	151882	90% D ₂ O and 10% H ₂ O
3000 Series Nanosphere Size Standards (polystyrene)	Thermo Scientific	3030A	90% D ₂ O and 10% H ₂ O
3000 Series Nanospher Size Standards (polystyrene)	Thermo Scientific	3070A	90% D ₂ O and 10% H ₂ O
3000 Series Nanosphere Size Standards (polystyrene)	Thermo Scientific	3100A	90% D ₂ O and 10% H ₂ O
3000 Series Nanospher Size Standards (polystyrene)	Thermo Scientific	3200A	90% D ₂ O and 10% H ₂ O
3000 Series Nanosphere Size Standards (polystyrene)	Thermo Scientific	3800A	90% D ₂ O and 10% H ₂ O
diblock copolymer C ₂₈ H ₅₇ -PEO5k	synthesized in house		in D ₂ O
Quartz Cells 110-QX	Hellma analytics	110-1-46	
Aluminum cuvette-holder	manufactured in house		for measurements at ambient temperature
screwdriver			
Allen keys			