

Materials List for:

Fat-Water Phantoms for Magnetic Resonance Imaging Validation: A Flexible and Scalable Protocol

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URL: <https://www.jove.com/video/57704>

DOI: [doi:10.3791/57704](https://doi.org/10.3791/57704)

Materials

Name	Company	Catalog Number	Comments
Distilled Water	Amazon	B000P9BY38	Base of water solution
Agar	Sigma Aldrich Incorporated	A1296-100G	Gelling agent
Water-Soluble Surfactant	Sigma Aldrich Incorporated	P1379-500ML	Surfactant/emulsifying agent
Gadolinium-DTPA Contrast Agent	Bayer Healthcare	50419-0188-01	Magnetic Resonance Imaging Contrast Agent.
Sodium Benzoate	Sigma Aldrich Incorporated	71300-250G	Preservative
Peanut Oil	Amazon	54782-LOU	Base of oil solution
Oil-Soluble Surfactant	Sigma Aldrich Incorporated	S6760-250ML	Surfactant/emulsifying agent
Hotplate w/ Stirrer	Fisher Scientific	07-770-152	
Stir bars (Egg-Shaped)	Sigma Aldrich Incorporated	Z127116-1EA	
400 mL Beaker	Sigma Aldrich Incorporated	CLS1003400-48EA	
250 mL Erlenmeyer Flask	Sigma Aldrich Incorporated	CLS4450250-6EA	
25 mL Glass Volumetric Pipette	Fisher Scientific	13-650-2P	Quantity = 2
50 mL Glass Volumetric Pipette	Fisher Scientific	13-650-2S	Quantity = 2
75 mL Glass Volumetric Pipette	Fisher Scientific	13-650-2T	Quantity = 2
3.0 mL Syringe	Sigma Aldrich Incorporated	Z248002-1PAK	
1.0 mL Syringe	Sigma Aldrich Incorporated	Z230723-1PAK	
Spatula	Sigma Aldrich Incorporated	S3897-1EA	
Scale (100g X 0.01g Resolution)	Amazon	AWS-100-BLK	
Weigh Boats	Sigma Aldrich Incorporated	Z740499-500EA	
120 mL Glass Jars	McMaster Carr Supply Co	3801T73	
Heat Resistant Gloves (pair)	Amazon	B075GX43MN	
Syringe Needles	Sigma Aldrich Incorporated	Z192341-100EA	
18" stir bar retriever	Fisher Scientific	14-513-70	
1 Dram Clear Glass Vial	Fisher Scientific	03-339-25B	