

Materials List for:

Composition and Properties of Aquafaba: Water Recovered from Commercially Canned Chickpeas

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Materials

Name	Company	Catalog Number	Comments
Freeze Dryer			
Stoppering Tray Dryer	Labconco Inc.	7948040	
Mixer			
Stainless steel hand mixer	Loblaws	PC2200MR	
Viscosity Measurement			
Shell cup No. 2	Norcross Corp.		
Color Measurement			
Colorflex HunterLab spectrophotometer	Hunter Associates Laboratory Inc.		
Protein and Carbon Contents			
Elemental analyzer	LECO Corp.	CN628	
NMR Spectrometry			
Spectrafuge 24D	Labnet International Inc.		
Syringe filters	VWR International	CA28145-497	25 mm, with 0.45 µm PTFE membrane
Deuterium oxide	Cambridge Isotope Laboratories Inc.	7789-20-0	
3-(trimethylsilyl)propionic-2,2,3,3-d4 acid sodium salt	Sigma-Aldrich	169913-1G	
Bruker Avance 500 MHz NMR spectrometer	Bruker BioSpin		
TopSpin 3.2 software	Bruker BioSpin GmbH		
Electrophoresis			
Regenerated cellulose membrane	Millipore Corp.		3, 10, 50 kDa (MWCO)
Centrifugal filter unit	Millipore Corp.		
Bechtop centrifuge	Allegra X-22R, Beckman Coulter Canada Inc.		
Mixer Mill MM 300 bead mill	F. Kurt Retsch GmbH & Co. KG		
Eppendorf centrifuge 5417C	Eppendorf		
Phosphate buffered saline, pH 7.4	Sigma-Aldrich	P3813-10PAK	
Tris-HCl buffer pH 7.4	Sigma-Aldrich	T6789-10PAK	
PageRuler Prestained Protein Ladder	Fisher Scientific		
Mini-Protein Tetra Cell system	BioRad		
Peptide Mass Fingerprinting			

Thermo-Savant SpeedVac	BioSurplus		Centrifugal vacuum evaporator
Trypsin buffer			20 μ L trypsin in 1 mM hydrochloric acid and 200 mM NH_4HCO_3
Iodoacetamide	Sigma-Aldrich	I1149-5 g	
Trifluoroacetic acid	Fluka	BB360P050	
Acetonitrile	Fisher Scientific	L14734	
Formic acid	Sigma-Aldrich	33015-500mL	
Mass spectrometry vial	Agilent Technologies Canada Ltd.		
Agilent 6550 iFunnel quadrupole time-of-flight mass spectrometer	Agilent Technologies Canada Ltd.		Agilent 1260 series LC instrument and Agilent Chip Cube LC-MS interface
HPLC-Chip II: G4240-62030 Polaris-HR-Chip_3C18			360 nL enrichment column and 75 μ m \times 150 mm analytical column, both packed with Polaris C18-A, 180 \AA , 3 μ m stationary phase.
Agilent MassHunter Qualitative Analysis Software	Agilent Technologies Canada Ltd.		
SpectrumMill data extractors	Agilent Technologies Canada Ltd.		