

Materials List for:

Concentration of Metabolites from Low-density Planktonic Communities for Environmental Metabolomics using Nuclear Magnetic Resonance Spectroscopy

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URL: <https://www.jove.com/video/3163>

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Materials

Name	Company	Catalog Number	Comments
0.22 µm hydrophilic Durapore PVDF filters, 25 mm	EMD Millipore	GVWP02500	
Microanalysis Filter Holder, 25 mm, fritted glass support	EMD Millipore	XX1002500	
3-place manifold, 47 mm, stainless steel	EMD Millipore	XX2504735	
KH ₂ PO ₄	Wako Pure Chemical Industries, Ltd.	169-04245	
K ₂ HPO ₄	Wako Pure Chemical Industries, Ltd.	164-04295	
Deuterium oxide, ² H > 90%	Cambridge Isotope Laboratories	DLM-4	
DSS	Fluka	92754	
Automill	Tokken	TK-AM4	Stainless steel crushers included
Thermomixer comfort	Eppendorf	5355 000.011	
Bioruptor	Diagenode	UCD-200	
Vacuum evaporator	EYELA	CVE-3100	
NMR	Bruker Corporation	DRX-500 with 5 mm-TXI probe	
Spectral binning tool	Originally developed	FT2DB	https://database.riken.jp/economics/
Metabolite annotation tool and database	Originally developed	SpinAssign	http://prime.psc.riken.jp/?action=nmr_search