

Materials List for:

Fatty Acid ¹³C Isotopologue Profiling Provides Insight into Trophic Carbon Transfer and Lipid Metabolism of Invertebrate Consumers

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Materials

Name	Company	Catalog Number	Comments
neoLab-Round jars	neoLab	2-1506	69 x 40 mm, 10 pacs/pack
Charcoal activated	Carl Roth	X865.1	p.a., powder, CAS No. 7440-44-0
Alabaster Dental	RÖHRICH-GIPSE	---	http://www.roehrich-gipse.de/dentalgipse.php
Chloroform	Carl Roth	7331.1	HPLC ≥ 99,9 %
Methanol	Carl Roth	P717.1	HPLC ≥ 99,9 %
Hexan	Carl Roth	7339.1	HPLC ≥ 98 %
tert-Butyl methyl ether (MTBE)	Carl Roth	T175.1	HPLC ≥ 99,5 %
Aceton	Carl Roth	7328.2	HPLC ≥ 99,9 %
NaOH	Carl Roth	6771.1	p.a. ≥99 %, in pellets
di-Natriumhydrogenphosphat	Carl Roth	P030.1	p.a. ≥99 %, water free
Na-dihydrogenphosphat Dihydrat	Carl Roth	T879.1	p.a. ≥99 %
Hypochloric acid (6 N)	VWR International	26,115,000	AVS TITRINORM vol. solution
Bond Elut (Columns)	Agilent Tech.	14102037	HF Bond Elut-SI, 500 mg, 3 mL, 50/PK
Präparatengläser Duran	Glasgerätebau Ochs	135215	Ø 16 x 100 mm, plus screw cap with handy knurl and integrated PTFE/silicone gasket
Supelco 37 Component FAME Mix	Sigma-Aldrich	47885-U Supelco	10 mg/mL in methylene chloride, analytical standard
FlowMesh	Carl Roth	2796.1	Polypropylene mesh, approximately 0.3 mm thick, with 1 mm strand spacing
Bacterial Acid Methyl Ester (BAME) Mix	Sigma-Aldrich	47080-U Supelco	10 mg/mL in methyl caproate, analytical standard
Methyl nonadecanoate	Sigma-Aldrich	74208	analytical standard ≥ 98.0 %
Hexadecanoic acid-1-13C (Palmitic)	Larodan Fine Chemicals	78-1600	GC ≥ 98.0 % (¹³ C: 99.0 %)
RVC 2-25 CDplus	Martin Christ Gefrier-trocknungsanlagen		Compact benchtop midi concentrator
Alpha 2-4 LDplus	Martin Christ Gefrier-trocknungsanlagen		Drying manifold
MZ 2C NT	Vacuubrand GMBH		Vacuum pump
Roto-Shake Genie	Scientific Industries		Combined rocking and rotating device
XP64 Micro Comparator	Mettler Toledo		Super high precision balance
GC-System 7890A	Agilent Tech.		Gas chromatograph
7000 GC/MS Triple Quad	Agilent Tech.		Triple Quad mass spectrometer

7683B Series Injector	Agilent Tech.		Sample injector
Heraeus Multifuge 3SR ⁺	Thermo Scientific		Centrifuge with 10 ml tube rotor