

Fatty acids in food supplements:
Can you assume what you consume ?

Equipment and chemicals – per student/pair

Session 1

50 mL beakers
Hexane
2 x Scalpels (or alternative)
100 mL Round bottomed flask
Rotary evaporator
Analytical balance
1 x Water/Steam bath
Glass funnel and filter paper
Anhydrous sodium sulphate
Deionised water
Pasteur pipettes
Small (e.g. 7 mL) vials

Session 2

Electromantle with magnetic stirrer
Stand / Clamps
Condenser / hoses
1 mL glass pipettes
10 mL glass pipettes
50 mL glass pipettes
5M KOH
1M HCl
MeOH
Deionised water
Hexane (3 x 10 mL washings)
250 mL Separating funnel / clamp
100 mL Beaker
Anhydrous sodium sulphate
Glass funnel / filter papers
150 mL round bottomed flask
Rotary evaporator
Analytical balance

Session 3

GC and/or GC-MS instrumentation
Chromatographic and mass spectral profiles of standards

Author	Simon Belt
Title	Fatty Acid Supplements
Classification	Laboratory Manuals - Chemistry
Keywords	ukoer, fatty acids, food, chemistry, analytical, GC
Description	Individual lab sheets
Creative Commons Licence (url)	http://creativecommons.org/licenses/by-nc-sa/2.0/uk/
Language	English
File size	30 kB
File format	pdf