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MIRINZ Centre Analytical
ANALYSIS REPORT

Sample Preparation:Total Lipid extraction followed by transmethylation and GLC analysis

	Fatty Acid	Possum % Fatty Acid	Chicken* % Fatty Acid	Vension* % Fatty Acid	Mutton* % Fatty Acid	Beef* % Fatty Acid
C12:0	Lauric	0.1	-	-	0.10	0.04
C14:0	Myristic	1.0	0.9	2.28	2.29	2.43
C16:0	Palmitic	19.8	23.3	20.14	20.67	23.72
C16:1	Palmitoleic	0.5	6.2	5.37	1.72	3.63
C18:0	Stearic	9.7	9.2	13.93	18.04	12.76
C18:1	Oleic	18.8	35.2	16.60	39.20	39.30
C18:2	Linoleic (omega 6)	17.4	12.9	14.08	3.60	2.69
C18:3	Linolenic (omega 3)	24.2	0.5	4.05	1.58	1.38
C20:4	Arachidonic (omega 6)	1.5	2.6	3.34	0.67	1.01
C22:5	Docosapentaaenoate (omega 3)	0.6	0.5	1.95	0.44	0.31
C22:6	Docosahexaenoate (omega 3)	0.1	0.9	0.38	0.17	0.05
	Total lipids	4.50				
	Mean of Soxhlet fat (6 animals)	3.72				

Please note that these fatty acid values most likely reflect the recent diet of the animal, and may therefore show seasonal changes. * Data from MIRINZ 861 . Intramuscular Polyunsaturated Fatty Acids in New Zealand meats : J West and B B Chrystall 1989.
Possum from captive animal diet unknown. Chicken mean of leg and breast, Vension mean of 2 samples, Mutton and Beef mean of 3 samples.

Analyst

All analyses, except where otherwise stated, were carried out on the samples as received.
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Version 4

Addiction note: Possum described in this report is the New Zealand Brushtail *Trichosurus Vulpecula*