Supplementary Materials

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Quantification of reduced and oxidized coenzyme Q10 in supplements and medicines by HPLC-UV

Authors

Žane Temova Rakuša, Albin Kristl, Robert Roškar*

University of Ljubljana, Faculty of Pharmacy, Aškerčeva cesta 7, 1000 Ljubljana, Slovenia

Tel: +386 1 4769 500, **e-mail:** robert.roskar@ffa.uni-lj.si

Contents

Table S1 Remaining rCoQ10 (%) at concentration 125 mg/L in various solvents after 24h at 25 ºC

	MP	anh. EtOH	MeOH	ACN[a]	ACN + antioxidant						
					BHT	Vit. E	LA	PG	AA	AP	GSH
rCoQ10 (%)	96.7	92.7	93.6	98.7	99.0	49.3	99.7	95.2	99.8	98.9	99.2

MP – mobile phase, anh. EtOH – anhydrous ethanol, ACN – acetonitrile, BHT – butylhydroxytoluene, Vit. E – vitamin E, LA - lipoic acid, PG - propyl gallate, AA – ascorbic acid, AP – ascorbyl palmitate, GSH – glutathione. [a] selected condition

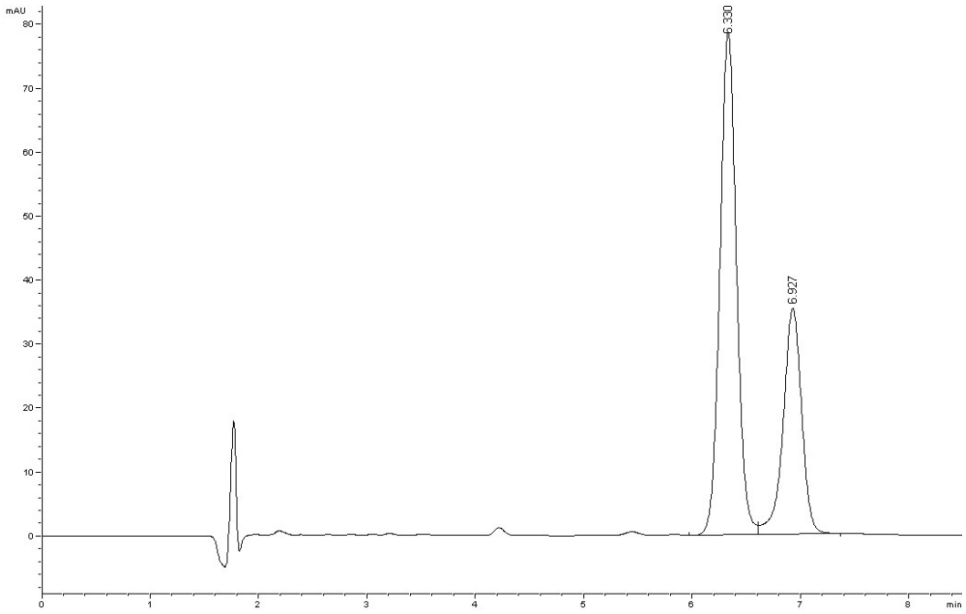

Fig. S1 Representative chromatogram of a standard mixture of rCoQ10 (retention time 6.33 min) and oCoQ10 (retention time 6.93 min).

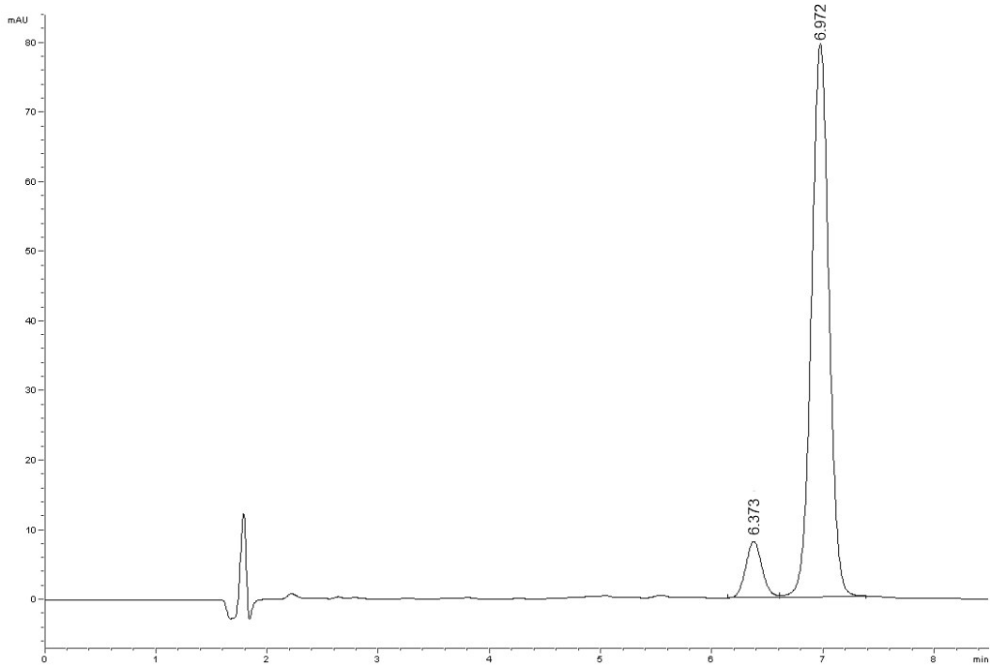

Fig. S2 Representative chromatogram of rCoQ10 and oCoQ10 in Preparation I.