

ONLINE SUPPLEMENTAL MATERIAL

SUPPLEMENTAL TABLE 1. Composition of multi-vitamin, multi-mineral supplement ¹

Nutrient	Quantity
	<i>μg</i>
vitamin A palmitate	400
folic acid	100
cyanocobalamin	1
cholecalciferol	100
potassium iodide	75
seleno-l-methionine complex	25
	<i>mg</i>
thiamin mononitrate	0.6
riboflavin	0.6
niacinamide	6.0
pyroxidine	0.9
ascorbic acid	30.0
d,l- α -tocopherol	<4
ferrous fumarate	5.0
zinc gluconate	7.0
copper gluconate	0.8

¹All participants enrolled in the study received this supplement once daily. Capsules were manufactured specifically for this study by Tishcon Corporation (Westbury, NY) in 2 equal batches, with all ingredients from the same sources, and packed by Pharmasource Healthcare Inc (Marlboro, Mass). The manufacturer's certified ingredient concentrations were confirmed by the study investigators.

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SUPPLEMENTAL TABLE 2. Day to day variation in cytokine produced in whole blood in response to 24 h LPS treatment in elderly nursing home resident at baseline¹

Cytokine (LPS, mg/L)	Protein
IL-1 β	<i>ng/L</i>
1.0	114 \pm 119
0.01	83 \pm 96
IL-6	
1.0	1667 \pm 1508
0.01	1317 \pm 1416
TNF α	
1.0	374 \pm 530
0.01	172 \pm 436

¹Day to day variation is the difference in cytokine production from two measurements taken at baseline. Data are presented as unadjusted means \pm SD.

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SUPPLEMENTAL TABLE 3. Description of SNP, primers and probes

Gene	SNP	dsSNP ID	Gene position	Primers and Probes or ABI Assay by Demand ID
IL-1 β	-511G>A	rs16944	5'-flanking	Forward: GAGGCTCCTGCAATTGACAGA Reverse : AGGGTGTGGGTCTCTACCTT Probe: CTGTTCTCTGCCTC[G/A]GGA
IL-1 β	3954C>T	rs1143634	Exon 5	Forward: ACCTAAACAACATGTGCTCCACA Reverse: ATCGTGCACATAAGCCTCGTTA Probe: CATGTGTC[G/A]AAGAAGA
IL-1 β	-1473G>C	rs1143623	5'-flanking	C_1839941
IL-1 β	6054G>A	rs1143643	Intron 6	Forward: GAGCCAGACTCCTGAGTTGTAACCTG Reverse: CCTCAGCATTGTCCTAAGTTTTC Probe: CACAC[G/A]GAAAGTT
IL-6	-174C>G	rs1800795	5'-flanking	Forward: GACGACCTA AGCTGCACTTTTC Reverse: GGGCTGATTGG AACCTTATTA AGATTG Probe: CTTTAGCAT[G/C]GCAAGAC
TNF α	-308G>A	rs1800629	5'-flanking	C_7514879_10