

### Additional File 3: Research Sample 25(OH)D Results

#### Plasma 25(OH)D concentrations in nmol/L among those enrolled in Canada

Timepoint	Treatment (n=33)		Placebo (n=16)	
	<i>n</i>	median (IQR) nmol/L	<i>n</i>	median (IQR) nmol/L
Screening	33	37.9 (32.0, 42.0)	16	36.5 (34.6, 41.5)
Enrollment	16	54.9 (42.8, 71.7)	8	38.0 (33.5, 55.9)
Day 1	23	160.6 (106.8, 215.0)	13	40.3 (33.8, 48.6)
Day 2	22	198.0 (113.8, 265.1)	13	47.2 (37.2, 58.6)
Day 3	25	176.1 (127.7, 249.8)	12	44.0 (36.7, 67.4)
Day 7	26	198.9 (128.8, 226.5)	8	44.8 (42.5, 65.4)
Hospital Discharge	17	161.0 (156.8, 224.5)	4	39.4 (36.4, 49.1)

#### Plasma 25(OH)D concentrations in nmol/L among those enrolled outside of Canada

Timepoint	Treatment (n=7)		Placebo (n=3)	
	<i>n</i>	median (IQR) nmol/L	<i>n</i>	median (IQR) nmol/L
Screening	7	20.2 (20.1, 27.0)	3	27.5 (26.9, 34.6)
Enrollment	1	73.5	1	63.6
Day 1	6	112.8 (74.8, 134.4)	3	36.6 (33.0, 43.2)
Day 2	5	220.7 (181.4, 256.5)	2	38.0 (33.2, 42.9)
Day 3	5	241.4 (164.7, 386.4)	2	39.6 (35.9, 43.3)
Day 7	6	182.7 (70.5, 319.6)	3	39.6 (36.2, 46.4)
Hospital Discharge	1	297.2	0	NA (NA, NA)