

## Supporting Information for:

### Flavonoid-Labeled Biopolymer in the Structure of Lipid Membranes to Improve the Applicability of Antioxidant Nanovesicles

Patrick D. Mathews <sup>1,2</sup>, Gabriella S. Gama <sup>1</sup>, Hector M. Megiati <sup>1</sup>, Rafael R. M. Madrid <sup>1</sup>, Bianca B. M. Garcia <sup>3</sup>, Sang W. Han <sup>3</sup>, Rosangela Itri <sup>4</sup> and Omar Mertins <sup>1,\*</sup>

<sup>1</sup> Laboratory of Nano Bio Materials (LNBM), Department of Biophysics, Paulista Medical School, Federal University of Sao Paulo, Sao Paulo 04023-062, Brazil; patrick.mathews@unesp.br (P.D.M.); gabgamasantos@gmail.com (G.S.G.); hectormegiati@gmail.com (H.M.M.); rafael.madrid@unifesp.br (R.R.M.M.)

<sup>2</sup> Institute of Biosciences, Sao Paulo State University, Botucatu 18618-689, Brazil

<sup>3</sup> Interdisciplinary Center for Gene Therapy, Paulista Medical School, Federal University of Sao Paulo, Sao Paulo 04023-062, Brazil; bianca.bonetto@unifesp.br (B.B.M.G.); sang.han@unifesp.br (S.W.H.)

<sup>4</sup> Applied Physics Department, Institute of Physics, University of Sao Paulo, Sao Paulo 05508-900, Brazil; itri@if.usp.br

\* Correspondence: mertins@unifesp.br

**Table S1: CHCa concentrations.** Sample C1 was initially prepared in HAc 175 mM, and subsequent dilutions were made in OPTI-MEM.

	C1	C2	C3	C4	C5	C6	C7	C8	C9
[Inicial] (μM)	146.70	73.35	36.68	18.34	9.17	4.58	2.29	1.15	0.57
V (μL per well)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Vf well (μL)	110	110	110	110	110	110	110	110	110
[Final] (μM)	13.34	6.67	3.33	1.67	0.83	0.42	0.21	0.10	0.05

**Table S2: HAc concentrations.** Sample HAc1 was initially prepared in water, and subsequent dilutions made in OPTI-MEM.

	HAc1	HAc2	HAc3	HAc4	HAc5	HAc6	HAc7	HAc8	HAc9
[Inicial] (mM)	175.00	87.50	43.75	21.88	10.94	5.47	2.73	1.37	0.68
V (μL per well)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Vf well (μL)	110	110	110	110	110	110	110	110	110
[Final] (μM)	1.6E+04	8.0E+03	4.0E+03	2.0E+03	1.E+03	497.16	248.58	124.29	62.14