

SUPPORTING INFORMATION

Bioformulation of Silver Nanoparticles as Berberine Carrier cum Anticancer Agent against Breast Cancer

Ramasamy Bhanumathi¹, Karuppaiya Vimala¹, Krishnamurthy Shanthi², Ramasundaram Thangaraj¹, Soundarapandian Kannan^{1*}

¹Division of Cancer Nanomedicine, Department of Zoology, Periyar University, Salem-636 011, Tamil Nadu, India.

²Department of Zoology, Bharathiar University, Coimbatore-641 046, Tamil Nadu, India

Corresponding Address

Prof. S. Kannan
Department of Zoology
Periyar University
Salem-636 011, TN, INDIA
E.mail. sknanomedpu@gmail.com (S. Kannan)

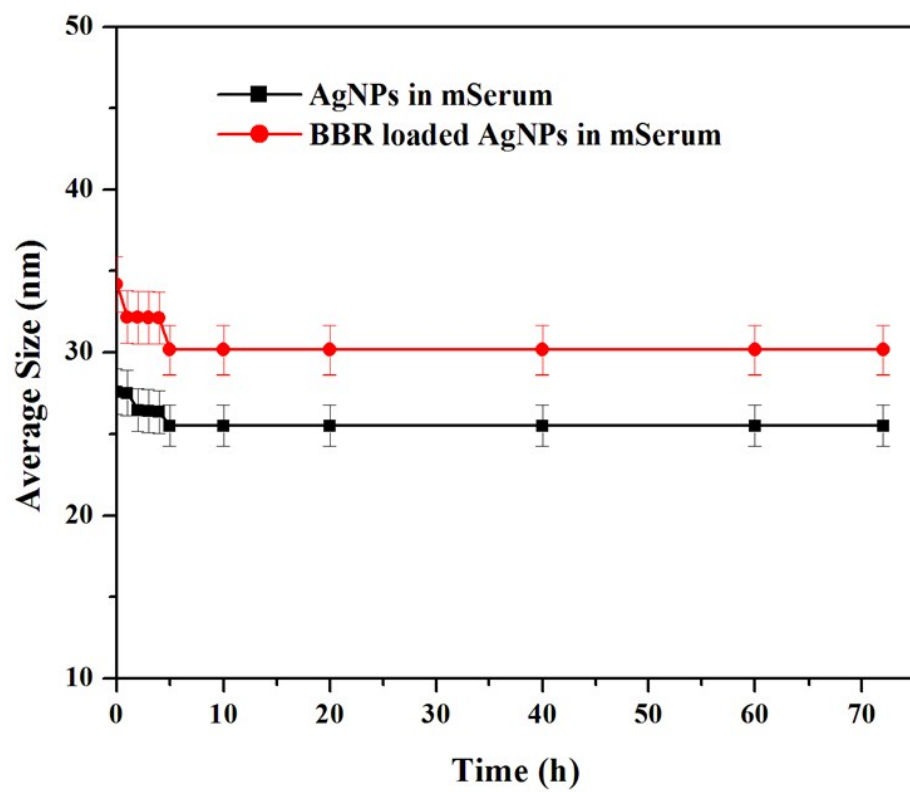


Figure S1. Stability of AgNPs and BBR loaded AgNPs in mice blood serum.

Table S1. Blood biochemical parameters of BBR loaded AgNPs treated mice.

Parameters	Control	BBR loaded AgNPs		
		1.5 µg/mL	3.5 µg/mL	5.5 µg/mL
Hemoglobin (g/dL)	14.59 ± 0.054	14.8± 0.017	14.1 ± 0.014	13.87 ± 0.02
RBC(million/ mm ³)	4.8 ±0.1	4.51±0.054	4.46±0.051	4.35±0.057
WBC (T/mm ³)	4.63±0.05	4.62±0.01	4.46±0.21	4.35±0.19
Neutrophils	35.21±0.42	34±0.3	34±0.3	34±0.3
Monocytes	03±0	03±0	03±0	03±0
Lymphocytes	63±1	63±03	63±9	63.12±3
Eosinophils	03±0	03±0	03±0	03±0
Basophils	0±0	0±0	0±0	0±0
Platelets (lakh/ mm ³)	1.65±0.1	1.64.±0.1	1.66±0.01	1.67±0.01
Cholesterol (mg/dL)	115.5±1.3	114±0.54	123±0.4	113±0.54
Uric Acid (mg/dL)	6.0±0.1	6.03±0.05	6.05±0.065	6.01±0.065
Triglyceride (mg/dL)	68.44±1.12	74±1.52	72.46±0.67	72.46±0.67
BUN (mg/dL)	12.72±0.03	11±4	12.23±0.6	13.12±0.54
SGOT (IU/L)	16.04±0.12	19.5±0.12	18.6±1.23	19.7±1.32
SGPT (IU/L)	11.02±0.01	13.03±0.31	13.03±0.31	13.03±0.31