



**Figure S1:** EDX spectra of Fe<sub>3</sub>O<sub>4</sub>-MBG

**Table S1:** % composition of Fe<sub>3</sub>O<sub>4</sub>-MBG

Element	Mole ratio	mass ratio	Wt % based on chemical formula	Wt % based on EDX
Si	51	1428	19	19.3
Ca	18	720	9.6	9.4
Na	40	920	12.2	11.9
P	8	248	3.3	3.1
<b>Fe</b>	<b>21</b>	<b>1176</b>	<b>15.6</b>	<b>15.3</b>
O	188	3008	40.1	41

**Table S2:** For Reviewer only

Concentration µg/mL	Cell Viability (%)											
	Fe <sub>3</sub> O <sub>4</sub> -MBG (NHFB)			Fe <sub>3</sub> O <sub>4</sub> -MBG (MG-63)			Mc-Fe <sub>3</sub> O <sub>4</sub> -MBG (MG-63)			Mitomycin C (MG-63)		
0.00	100	100	100	100	100	100	100	100	100	100	100	100
3.125	100	100	99	99	100	99	89	87	86	67	60	62
6.25	99	98	98	98	98	99	70	72	76	20	25	26
12.50	95	94	96	97	98	95	40	38	36	10	12	16
25.00	92	91	92	96	95	96	21	22	23	7	10	6
50.00	89	90	90	80	82	83	10	11	13	3	2	1