New Journal of Chemistry
Supporting information for

One step synthesis of Ag-reduced graphene oxide-multiwalled carbon nanotubes for enhanced antibacterial activities

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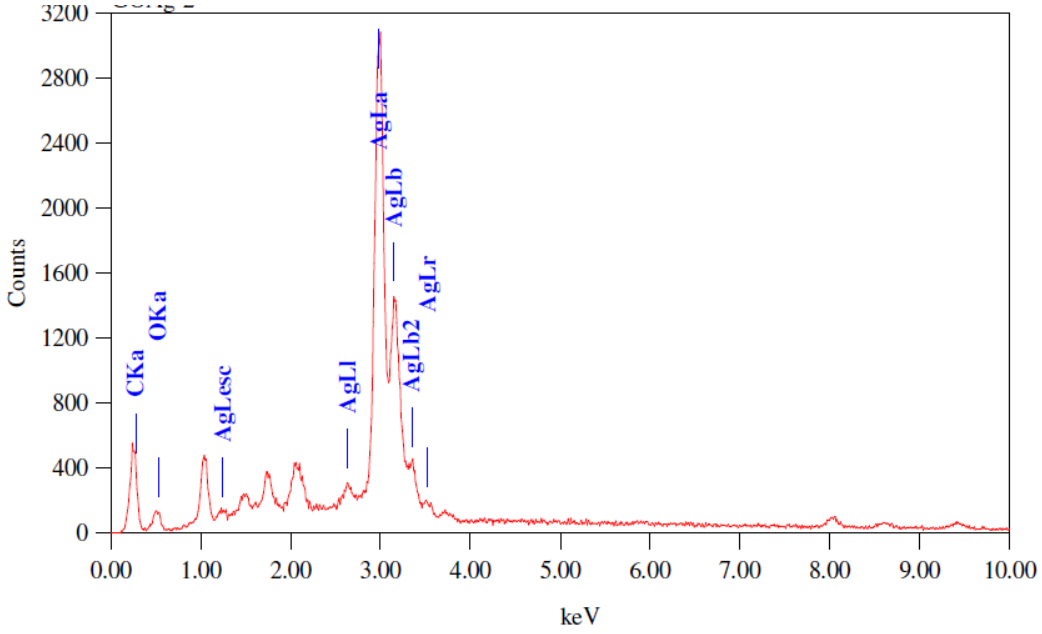
S1.

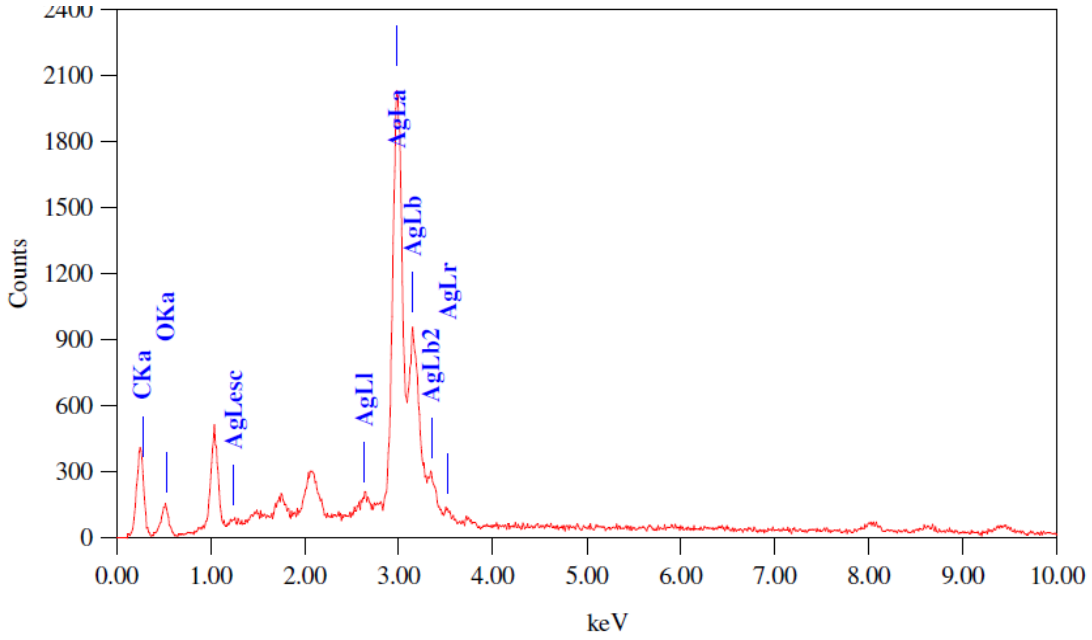


ZAF Method Standardless Quantitative Analysis
Fitting Coefficient : 0.6514

Element	(keV)	mass%	Error%	At%	Compound	mass%	Cation
C K	0.277	3.46	0.17	19.13			
O K	0.525	6.08	2.03	25.23			
Ag L	2.983	90.45	1.13	55.64			
Total		100.00		100.00			

Fig.S1. EDX analysis for Ag-rGO

S2.

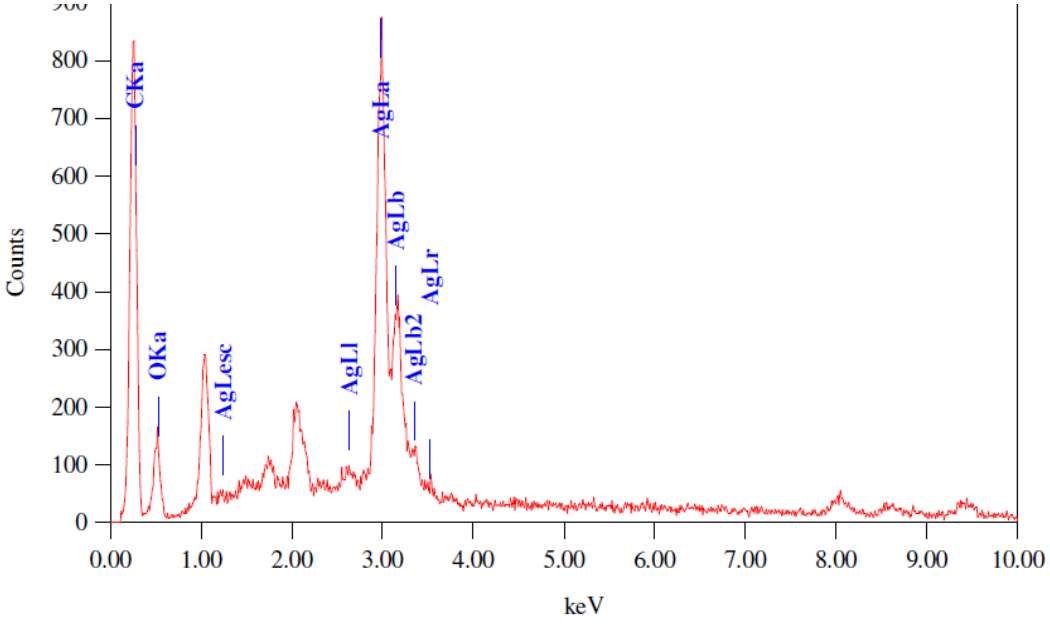


ZAF Method Standardless Quantitative Analysis
Fitting Coefficient : 0.6779

Element	(keV)	mass%	Error%	At%	Compound	mass%	Cation
C K	0.277	3.87	0.17	17.83			
O K	0.525	11.14	1.98	38.56			
Ag L	2.983	84.99	1.11	43.61			9
Total		100.00		100.00			

Fig. S2. EDX analysis for Ag-MWCNTs

S3



ZAF Method Standardless Quantitative Analysis
Fitting Coefficient : 0.7617

Element	(keV)	mass%	Error%	At%	Compound	mass%	Cation
C K	0.277	18.30	0.26	45.50			
O K	0.525	20.05	2.88	37.43			
Ag L	2.983	61.65	1.58	17.07			
Total		100.00		100.00			

Fig. S3. EDX analysis for Ag-rGO-MWCNTs

S4.Table of comparison for data presented in S1, S2, and S3.

Material/element At%	**Ag**	**C**	**O**
Ag-rGO	55.6	19.1	25.2
Ag-MWCNTs	43.6	17.8	18.5
Ag-rGO-MWCNTs	17.0	45.5	37.4

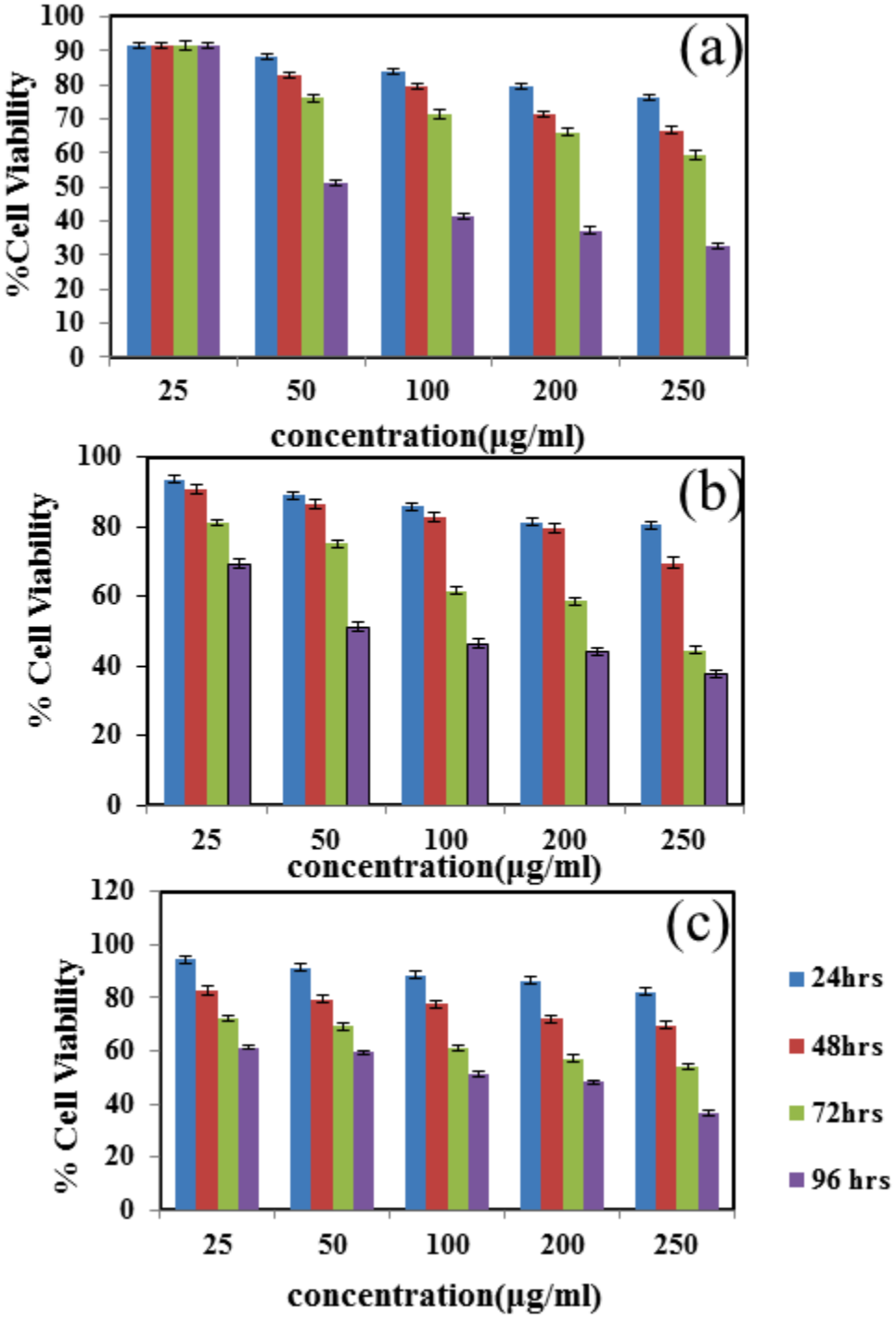


Fig. S5. Viability of Hela cancer cell lines after treatment with (a) Ag-rGO, (b) Ag-MWCNTs and (c)Ag-rGO- MWCNTs.