

Table 1. The results of BET measurement.

Sample	C	C-Ag	PVA/BC/C-Ag
Adsorption average pore size (nm)	2.070	2.396	5.846
Langmuir specific surface area (m^2g^{-1})	740.519	261.415	10.274
Total adsorption volume (cm^3g^{-1})	0.367	0.150	0.012

Table 2. Plate count of *E. coli* colonies after continuous treatment.

Bacterial suspension (Number of colonies)	After bacteriostasis (Number of colonies)	Antibacterial rate (%)
278	54	80.6

Table 3. Plate count of *E. coli* colonies after repeated treatment.

Repeat times	1	2	3	4	5
Bacterial suspension (Number of colonies)	285	276	282	274	278
After bacteriostasis (Number of colonies)	8	11	22	30	37
Antibacterial rate (%)	97.2	96.0	92.2	89.1	86.7

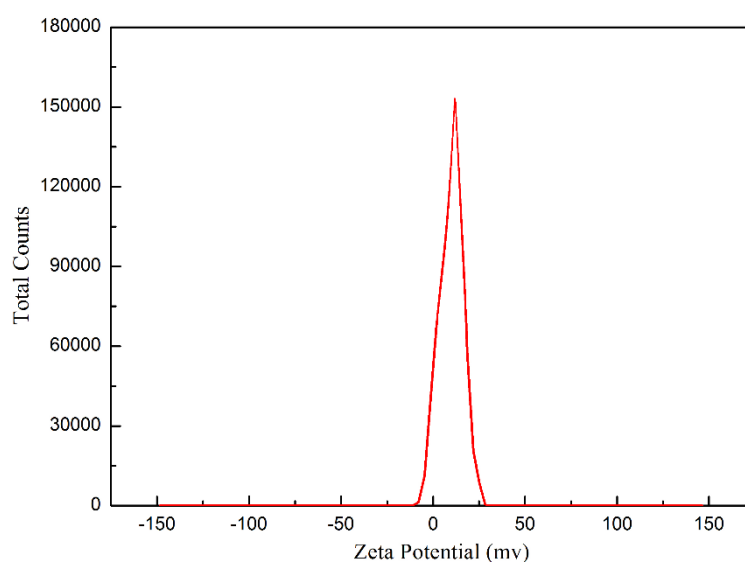


Figure 1. Zeta potential analysis of the PVA/BC/C-Ag composite.