

Supplementary data:

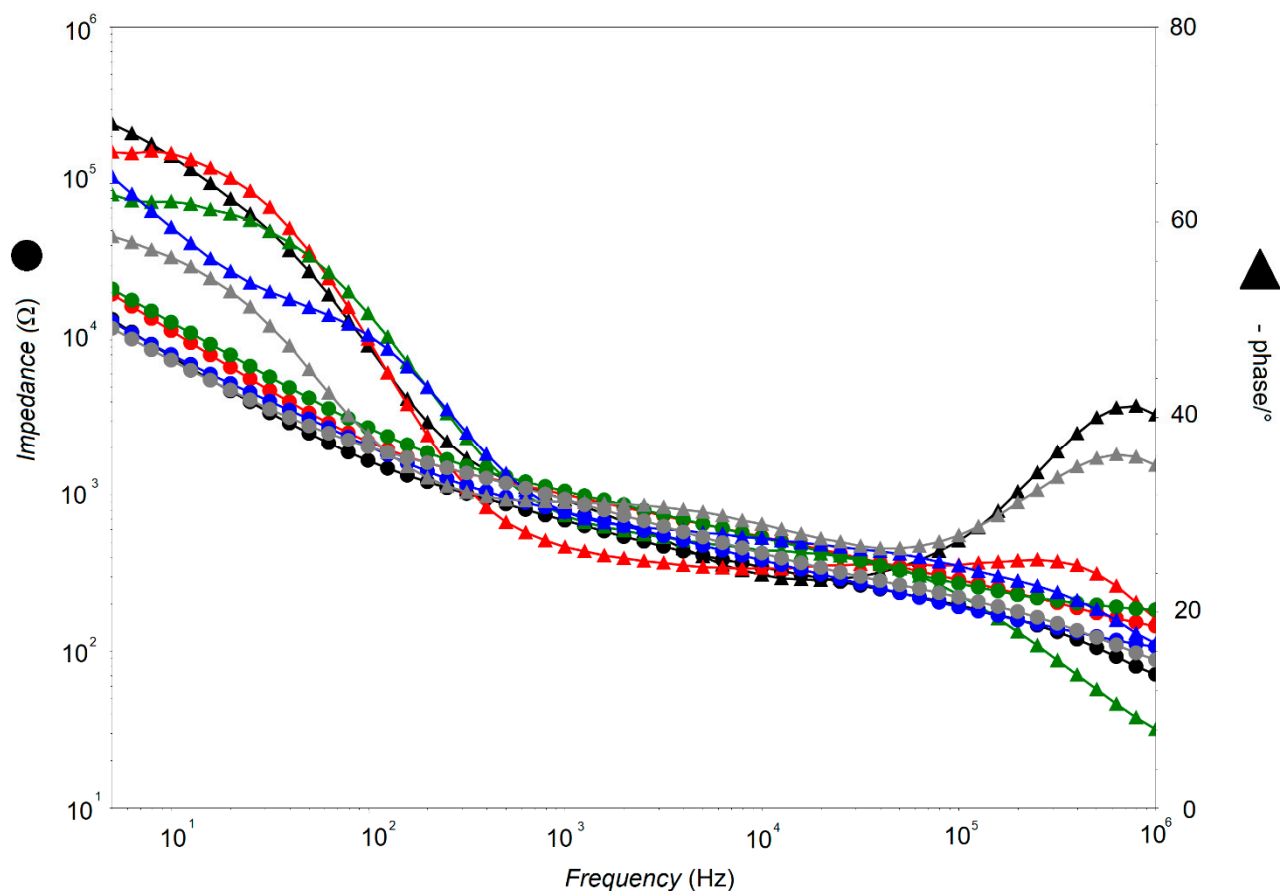


Figure S1. Bode diagram: A simultaneous representation of both total impedance (circles) and phase response (triangles) is shown. The color selection is the same as for Figure 7. The data for different concentrations of 9 $\mu\text{g/mL}$ (red label) 40 $\mu\text{g/mL}$ (green label), 200 $\mu\text{g/mL}$ (blue label) are presented as well as for negative sample (black label) and blank stainless-steel sample that counts as the positive control (grey label).

Table S1. Shows surface coverage and morphology of cells in the presence of a different concentration of ZnCl_2 as a chemical using SEM.

The concentration of ZnCl_2 as a toxic compound	Surface Coverage(X100)	Shape of Cells(X500)	Single cell Example(X1000)
Control			
10 $\mu\text{g/mL}$ ZnCl_2			
20 $\mu\text{g/mL}$ ZnCl_2			
30 $\mu\text{g/mL}$ ZnCl_2			
40 $\mu\text{g/mL}$ ZnCl_2			

