

Correction

Correction: He et al. A Novel Optical Fiber Terahertz Biosensor Based on Anti-Resonance for the Rapid and Nondestructive Detection of Tumor Cells. *Biosensors* 2023, 13, 947

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Text Correction

In the original publication [1], a correction has been made to Section 3.3, Paragraph 1. The revised version is as follows:

Figure 3d shows a good linear relationship between the logarithm of cell number and THz wave transmittance in the range of cell numbers from 10 to 10⁶. The linear fitting equation is T (Transmittance) = $0.8365\text{Log}(C) - 43.26$, and the correlation coefficient is 0.9945.

Error in Figure

In the original publication [1], there was a mistake in Figures 3d and 4d as published. We mistakenly wrote the cell-free sample as “lg0” and also wrongly included the cell-free sample in the fitting curve. The corrected Figures 3 and 4 appear below.



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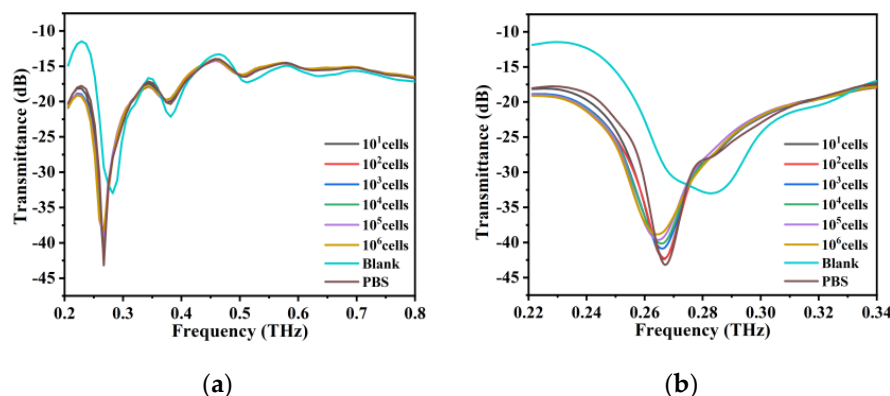


Figure 3. Cont.

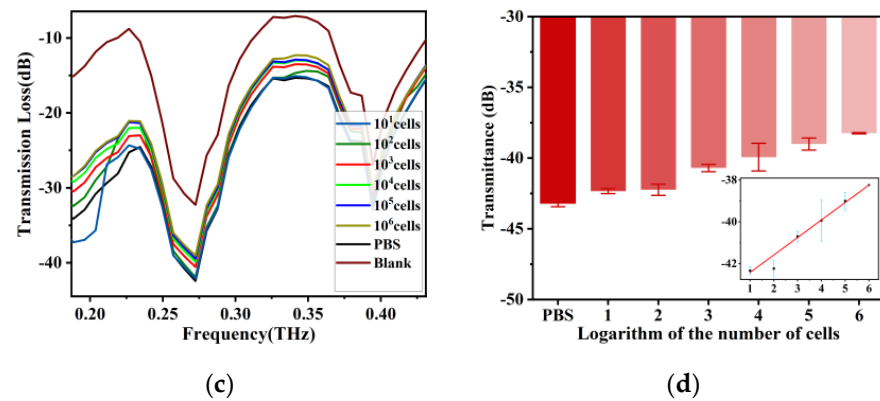


Figure 3. (a) THz transmission spectra of BT-474 cell solutions at cell numbers from 10 cells to 1×10^6 cells and the THz AR-HCF without adding the sample between 0.2 THz and 0.8 THz. (b) Amplification of the signal from 0.22 THz to 0.34 THz of (a). (c) Simulation results of THz transmission spectra of fiber with cell numbers from 0 to 10^6 BT-474 cells and without adding samples. (d) THz wave transmittance at 0.26 THz for BT-474 at different cell numbers. The inset shows the linear fit of the logarithm of cell number and THz wave transmittance. Error bars indicate the SD ($n = 3$).

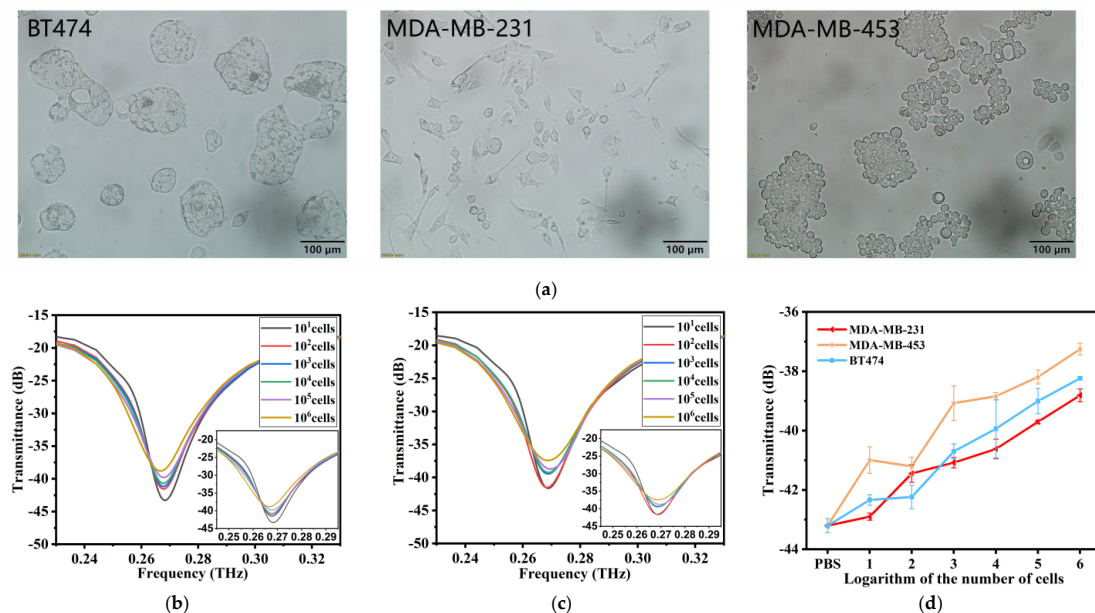


Figure 4. (a) Morphology of three cell lines after magnification under a microscope at by 200 $\times$. (b) THz transmission spectra of MDA-MB-231 cell solutions at cell numbers from 10 cells to 1×10^6 cells. (c) THz transmission spectra of MDA-MB-453 cell solutions at cell numbers from 10 cells to 1×10^6 cells. (d) The linear relationship between the cell numbers and THz transmittance of the three kinds of cells is compared. Error bars indicate the SD ($n = 3$).

Reference

1. He, Z.; Luo, Y.; Huang, G.; Lamy de la Chapelle, M.; Tian, H.; Xie, F.; Jin, W.; Shi, J.; Yang, X.; Fu, W. A Novel Optical Fiber Terahertz Biosensor Based on Anti-Resonance for the Rapid and Nondestructive Detection of Tumor Cells. *Biosensors* **2023**, *13*, 947. [[CrossRef](#)] [[PubMed](#)]

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