



Corrigendum

Corrigendum #2 to “Quantitative Detection of miRNA-21 Expression in Tumor Cells and Tissues Based on Molecular Beacon”

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Received 5 November 2020; Accepted 5 November 2020; Published 15 January 2021

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In the article titled “Quantitative Detection of miRNA-21 Expression in Tumor Cells and Tissues Based on Molecular Beacon” [1], the authors’ previous similar work on pre-miRNA-21 was not cited and discussed [2]. The authors said the two studies are similar in strategy, using a fluorescent probe to detect RNA, but with different probes and targets. With the structural differences of pre-miRNA and miRNA, they used a chimeric molecular beacon (the stem contains RNA bases) to detect pre-miRNA-21 in the earlier study [2], while they used a molecular beacon (entirely DNA bases) to directly detect miRNA-21 in the second article [1]. The studies were conducted at the same time and have similar outcomes, in that both LOD are 0.5 nM of the targets and there is a similar linear range (1–100 nM vs. 1–50 nM). The original version of Figure 3 that was replaced in an earlier corrigendum [3] was reproduced in error from Figure 2 in that earlier article.

[3] Q. Liu, J. Fan, C. Zhou et al., “Corrigendum to “quantitative detection of miRNA-21 expression in tumor Cells and Tissues based on molecular beacon,” *International Journal of Analytical Chemistry*, vol. 2020, Article ID 1515794, 2 pages, 2020.

References

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- [2] H.-L. Xie, T.-T. Wu, Z.-H. Xie, J.-L. Fan, and C.-Y. Tong, “Quantitative detection of PremicroRNA-21 based on chimeric molecular beacon,” *Chinese Journal of Analytical Chemistry*, vol. 46, no. 7, pp. e1847–e1853, 2018.