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Correction: Virtual microwells for digital microfluidic reagent dispensing and cell culture

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Correction for ‘Virtual microwells for digital microfluidic reagent dispensing and cell culture’ by Irwin A. Eydelnant et al., *Lab Chip*, 2012, 12, 750–757, <https://doi.org/10.1039/C2LC21004E>.

The authors regret that there was an error in Fig. 2C of the article. The units indicated for the virtual microwell number N_{vm} should be mm^{-1} rather than m^{-1} that is indicated in Fig. 2C. A corrected version of Fig. 2C is given below. In addition, the threshold at which the dispensing behaviour changes is $N_{vm} = 20$, rather than the $N_{vm} = 2$ that is indicated in the text. To the authors’ knowledge, all of the raw data in the paper, as well as all other observations and interpretations in the paper, are correct.

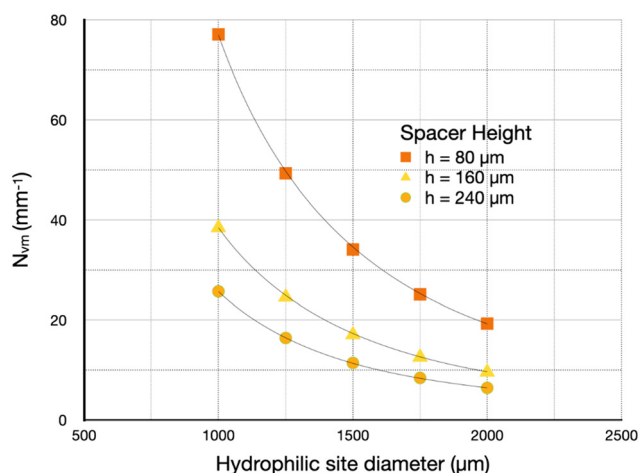


Fig. 2 (C) Plot of N_{vm} as a function of hydrophilic site diameter for “dry passive dispensing” experiments on digital microfluidic devices with inter-plate spacer heights of 80 μm (yellow circles), 160 μm (orange triangles), or 240 μm (red diamonds). In all cases tested, dry passive dispensing was successful for a single-unit source-droplet (*i.e.*, a droplet covering a single driving electrode) with $N_{vm} > 20$. For $N_{vm} < 20$, a double-unit source-droplet (covering two driving electrodes) was required for successful dry passive dispensing.

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The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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