Lab on a Chip

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *Lab Chip*, 2023, **23**, 1955

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

Irwin A. Eydelnant,[ab] Uvaraj Uddayasankar,[bc] Bingyu 'Betty' Li,[ab] Meng Wen Liao[ab] and Aaron R. Wheeler*[abc]

DOI: 10.1039/d3lc90031b

rsc.li/loc

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 the 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.

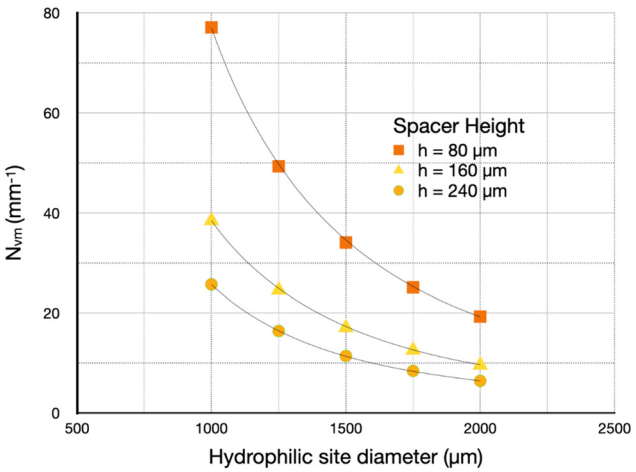

Fig. 2 (C) Plot of N_{vm} as a function of hydrophilic site diameter for "dry passive dispensing" experiments on digital microfluidic devices with inter-plate spacer heights of 80 μm (yellow circles), 160 μm (orange triangles), or 240 μm (red diamonds). In all cases tested, dry passive dispensing was 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.

The authors thank James Wu from the Chinese University of Hong Kong for bringing this error to our attention.

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

[a] *Institute for Biomaterials and Biomedical Engineering, University of Toronto, 164 College St., Toronto, ON, M5S 3G9, Canada. E-mail: aaron.wheeler@utoronto.ca; Fax: +1 (416) 946 3865; Tel: +1 (416) 946 386*

[b] *Donnelly Centre for Cellular and Biomolecular Research, 160 College St, Toronto, ON, M5S 3E1, Canada*

[c] *Department of Chemistry, University of Toronto, 80 St. George St., Toronto, ON, M5S 3H6, Canada*