

Erratum: “Low frequency cyclical potentials for fine tuning insulator-based dielectrophoretic separations” [Biomicrofluidics 13, 044114 (2019)]

Cite as: Biomicrofluidics 13, 069901 (2019); doi: 10.1063/1.5134802

Submitted: 1 November 2019 · Accepted: 5 November 2019 ·

Published Online: 26 November 2019



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In the publication “Low frequency cyclical potentials for fine tuning insulator-based dielectrophoretic separations,”¹ Table I had the zeta potential, EK mobility, and DEP mobility for particle 1 listed under particle 2 and vice versa. A corrected table is shown below.

TABLE I. List of particles used for this study with the associated particle properties. The particle zeta potential, EK mobility, and DEP mobility were found experimentally. Reported uncertainties for $\zeta_{particle}$ and μ_{EK} are one standard deviation. Reported uncertainties for μ_{DEP} are based on the accuracy of the image based determination of trapping distance and the uncertainty of μ_{EK} .

No.	Brand	Color	Diameter (μm)	Surface functionalization	$\zeta_{particle}$ (mV)	μ_{EK} ($\text{m}^2 \text{V}^{-1} \text{s}^{-1}$)	μ_{DEP} ($\text{m}^4 \text{V}^{-2} \text{s}^{-1}$)
1	Magsphere	Green	9.7	Carboxylated	-19.1 ± 11	$5.66 \pm 0.20 \times 10^{-8}$	$-7.58 \pm 0.031 \times 10^{-18}$
2	Invitrogen	Red	10	Carboxylated	-60.9 ± 6	$2.40 \pm 0.30 \times 10^{-8}$	$-2.80 \pm 0.40 \times 10^{-18}$
3	Magsphere	Green	2	Carboxylated	-58.2 ± 15	$2.61 \pm 0.26 \times 10^{-8}$	$-1.70 \pm 0.19 \times 10^{-18}$
4	Magsphere	Red	5.1	Carboxylated	-48.3 ± 5	$3.38 \pm 0.35 \times 10^{-8}$	$-4.63 \pm 0.56 \times 10^{-18}$
5	Magsphere	Red	5.1	Carboxylated	0.0 ± 8.1	$7.58 \pm 0.61 \times 10^{-8}$	$-5.93 \pm 0.47 \times 10^{-18}$
6	Magsphere	Green	5.1	Nonfunctional	-35.5 ± 7.6	$4.81 \pm 0.63 \times 10^{-8}$	$-3.14 \pm 0.41 \times 10^{-18}$

ACKNOWLEDGMENTS

The authors would like to acknowledge the financial support provided by the National Science Foundation (NSF) (No. CBET-1705895).

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