

Correction to “Protein Micropatterning in 2.5D: An Approach to Investigate Cellular Responses in Multi-Cue Environments”

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 Article Recommendations

In the original version of this article, section *Materials and Methods*, Table 1 contains a mistake. In the description of “passivation with poly-L-lysine and mPEG-SVA”, the concentration of poly-L-lysine should be 0.1 mg/mL. In the revised table below, this correct concentration is included. This correction does not alter any conclusions of this work.

Table 1. Stepwise Description of Five Passivation Strategies for PDMS Surfaces

passivation strategy	description	duration and temp
gas-phase passivation with APTES	1. Place an open vial with APTES and the PDMS substrate in a hermetically sealed Petri dish.	1 h, room temp
	2. Gently wash three times with HEPES (0.1 M) (8 < pH < 8.5).	
	3. Incubate the PDMS substrate with 50 mg/mL mPEG-SVA in HEPES (0.1 M) (8 < pH < 8.5).	1 h, room temp
	4. Wash three times with PBS.	
liquid-phase passivation with APTES	1. Immerse the PDMS substrate in a 1% APTES solution in Milli-Q.	1 h, room temp
	2. Wash three times with PBS.	5 min/wash
	3. Wash three times with HEPES (0.1 M) (8 < pH < 8.5).	
	4. Incubate the PDMS substrate with 50 mg/mL mPEG-SVA in HEPES (0.1 M) (8 < pH < 8.5).	1 h, room temp
	5. Wash three times with PBS.	
vacuum passivation with APTES	1. Place the PDMS substrate and an open vial of APTES in a vacuum desiccator.	overnight, room temp
	2. Wash three times with HEPES (0.1 M) (8 < pH < 8.5).	
	3. Incubate the PDMS substrate with 50 mg/mL mPEG-SVA in HEPES (0.1 M) (8 < pH < 8.5).	1 h, room temp
	4. Wash three times with PBS.	
passivation with poly-L-lysine and mPEG-SVA	1. Pretreat the PDMS substrate with oxygen plasma at 20–100 W.	30–60 s
	2. Incubate the substrate with 0.1 mg/mL poly-L-lysine.	30 min, room temp
	3. Wash three times with HEPES (0.1M) (8 < pH < 8.5).	
	4. Incubate the PDMS substrate with 50 mg/mL mPEG-SVA in HEPES (0.1 M) (8 < pH < 8.5).	1 h, room temp
	5. Wash three times with PBS.	
passivation with Pluronic F-127	1. Immerse the PDMS substrate in a 1% Pluronic F-127 solution in PBS.	5 min
	2. Wash three times with PBS.	5 min/wash

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