Table S1: Silica hydrogel compositions

<table>
<thead>
<tr>
<th>Silica hydrogel formulation (Final percentage of silica in hydrogel – Ratio Sodium silicate:Ludox in final gel)</th>
<th>Sodium Silicate (diluted 10 times) in μL</th>
<th>Ludox (pure) in μL</th>
<th>HCl (1.15 M) in μL</th>
<th>Phosphate Buffer (0.5 M, pH 8) in μL</th>
<th>H₂O in μL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 % - 1:10</td>
<td>173</td>
<td>101</td>
<td>45</td>
<td>300</td>
<td>881</td>
</tr>
<tr>
<td>3 % - 1:20</td>
<td>87</td>
<td>107</td>
<td>23</td>
<td>300</td>
<td>984</td>
</tr>
<tr>
<td>4 % - 1:10</td>
<td>231</td>
<td>135</td>
<td>60</td>
<td>300</td>
<td>774</td>
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<tr>
<td>4 % - 1:20</td>
<td>115</td>
<td>143</td>
<td>30</td>
<td>300</td>
<td>912</td>
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<tr>
<td>5 % - 1:10</td>
<td>288</td>
<td>169</td>
<td>75</td>
<td>300</td>
<td>668</td>
</tr>
<tr>
<td>5 % - 1:20</td>
<td>144</td>
<td>178</td>
<td>38</td>
<td>300</td>
<td>840</td>
</tr>
<tr>
<td>6 % - 1:10</td>
<td>346</td>
<td>203</td>
<td>90</td>
<td>300</td>
<td>561</td>
</tr>
<tr>
<td>6 % - 1:20</td>
<td>173</td>
<td>214</td>
<td>45</td>
<td>300</td>
<td>768</td>
</tr>
<tr>
<td>7 % - 1:10</td>
<td>404</td>
<td>236</td>
<td>105</td>
<td>300</td>
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<tr>
<td>7 % - 1:20</td>
<td>202</td>
<td>249</td>
<td>53</td>
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<td>696</td>
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<tr>
<td>8 % - 1:10</td>
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<td>270</td>
<td>120</td>
<td>300</td>
<td>348</td>
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<tr>
<td>8 % - 1:20</td>
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<td>60</td>
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<td>135</td>
<td>300</td>
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<td>9 % - 1:20</td>
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<td>68</td>
<td>300</td>
<td>552</td>
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<tr>
<td>10 % - 1:10</td>
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<td>338</td>
<td>150</td>
<td>300</td>
<td>136</td>
</tr>
<tr>
<td>10 % - 1:20</td>
<td>288</td>
<td>356</td>
<td>75</td>
<td>300</td>
<td>480</td>
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</tbody>
</table>