Supporting Information

Real-time analysis of diaquat dibromide monohydrate in water with a SERS-based integrated microdroplet sensor

Rongke Gao, Nam Hyun Choi, Soo-Ik Chang, Eun Kyu Lee and Jaebum Choo*

Department of Bionano Technology, Hanyang University, Ansan 426-791, South Korea
Department of Biochemistry, Chungbuk National University, Cheongjoo 361-763, South Korea

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Table S1 Vibrational assignments for the characteristic SERS peaks of DQ.

<table>
<thead>
<tr>
<th>Bands (cm&lt;sup&gt;-1&lt;/sup&gt;)</th>
<th>Assignment&lt;sup&gt;a&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1579</td>
<td>$\nu_{\text{ring}} + \nu(\text{C=N})$</td>
</tr>
<tr>
<td>1289</td>
<td>$\nu_{\text{ring}} + \delta(\text{CH}) + t_w(\text{CH}_2)$</td>
</tr>
<tr>
<td>1183</td>
<td>$\nu(\text{H}_2\text{C-N}) + \delta(\text{CH})$</td>
</tr>
<tr>
<td>1074</td>
<td>$\delta_{\text{ring}} + \delta(\text{CH})$</td>
</tr>
</tbody>
</table>

<sup>a</sup> $\nu$, stretching; $\delta$, in plane deformation; $t_w$, twisting.