

Table S7. ECL Assays for Environmental, Food and Water and Biodefense Applications.

Analyte	Luminophore/Coreactant	Reference(s)
<i>Bacillus Anthracis</i>	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	398,411,412,414,415
botulinus A Toxin,	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	411,412
<i>Campylobacter</i>	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	284
Cholera toxin	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	411,412
<i>Cryptosporidium parvum</i> oocysts	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	381,405,406,408
<i>Escherichia Coli</i> 0157	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	284,398,400-403,414
<i>Listeria monocytogenes</i>	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	284
Ricin toxin	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	411,412
<i>Salmonella</i>	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	284,400
<i>Staphylococcus aureus</i> enterotoxins	$\text{Ru}(\text{bpy})_3^{2+}/\text{TPrA}$	284,411,597