

Supplementary Table S2 Band assignments of characteristic peaks to potential metabolites in SERS spectra for *K. pneumoniae*.

Wavenumber (cm⁻¹)	Band Assignment	Ref.
653	Guanine vibration or COO ⁻ bending in tyrosine	(Bashir et al., 2021b)
730	Adenine	(Chen et al., 2019)
957	C-N and C-O	(Zhao et al., 2023)
1218	Amide III	(Bashir et al., 2021a)
1275	Amide III	(Tsuboi and Thomas Jr, 1997)
1328	CH ₂ CH ₃ wagging mode	(Wang et al., 2021)
1373	Breathing modes of DNA/RNA	(Lu et al., 2012)
1454	CH ₂ stretching	(Lu et al., 2011)
1579	Guanine and adenine	(Liu et al., 2014)
1690	Amide I	(Ullah et al., 2022)

Reference

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