

Supporting Information

Rapid detection of bacteria from blood with surface enhanced Raman spectroscopy.

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Microorganism	ATCC # or Crimson Library #	Culture Medium	T (°C)	CO ₂
<i>Acinetobacter baumannii</i> ²	ATCC 19606	Tryptic Soy	37	0%
<i>Candida albicans</i> ¹	ATCC 18804	Yeast Extract Peptone Digest	37	0%
<i>Enterobacter cloacae</i> ²	Crimson 33-1367	Luria-Bertani	37	0%
<i>Enterococcus faecalis</i> ²	ATCC 29212	Tryptic Soy	37	0%
<i>Enterococcus faecium</i> ²	Crimson 18206	Tryptic Soy	37	0%
<i>Enterococcus faecium</i> ²	Crimson 27-1362	Tryptic Soy	37	0%
<i>Escherichia coli</i> ³	ATCC 25922	Tryptic Soy	37	0%
<i>Haemophilus influenzae</i> ¹	ATCC 49247	Enriched Brain Heart Infusion	35	5%
<i>Klebsiella oxytoca</i> ³	ATCC 13182	Brain Heart Infusion ¹ /Luria-Bertani ²	37	0%
<i>Proteus mirabilis</i> ²	ATCC 29854	Tryptic Soy	37	0%
<i>Pseudomonas aeruginosa</i> ³	ATCC 27853	Brain Heart Infusion ¹ /Luria-Bertani ²	37	0%
<i>Staphylococcus aureus</i> ³	ATCC 25904	Tryptic Soy	37	0%
<i>Staphylococcus aureus</i> ²	ATCC BAA-1556	Tryptic Soy	37	0%

<i>Staphylococcus epidermidis</i> ²	ATCC 35984	Tryptic Soy	37	0%
<i>Streptococcus agalactiae</i> ²	ATCC BAA-22	Tryptic Soy	37	0%
<i>Streptococcus infantarius</i> ²	Crimson 3668	Todd Hewitt	37	0%
<i>Streptococcus mitis/oralis</i> ²	Crimson 4611	Todd Hewitt	37	0%
<i>Streptococcus pneumoniae</i> ³	ATCC 49619	Todd Hewitt	35	5%
<i>Streptococcus salivarius</i> ²	Crimson 14591	Tryptic Soy	37	0%

Table S1. List of 17 different microorganisms used in the current study and their cultivation conditions. ¹ Used solely for sample preparation experiments presented in Figure 2. ² Used solely for SERS identification experiments presented in Figure 3. ³ Used for both SERS identification and sample preparation experiments.