

Table S1. Summary of available technologies.

<b>Methods</b>	<b>References</b>
<i>PCR</i>	[92,93]
<i>Real-Time PCR</i>	[36,94]
<i>LAMP</i>	[95,96]
<i>NASBA</i>	[97,98]
<i>TMA</i>	[98,99]
<i>HDA</i>	[49,100]
<i>The BioFire FilmArray panels</i>	[101,102]
<i>DNA microarrays</i>	[60,61]
<i>Pulse-Field Gel Electrophoresis (PFGE)</i>	[68,103]
<i>Multilocus Sequencing Typing (MLST)</i>	[104,105]
<i>Whole Genome Sequencing (WGS)</i>	[71,106]
<i>Pyrosequencing</i>	[70,107]
<i>Next-Generation Sequencing (NGS)</i>	[73,108]
<i>Microfluidics</i>	[75,76]
<i>Immunodetection of Pathogens</i>	[28,109]
<i>Detection of Growth-Related Molecules</i>	[28,77,78]
<i>Biosensor Systems</i>	[80–82]