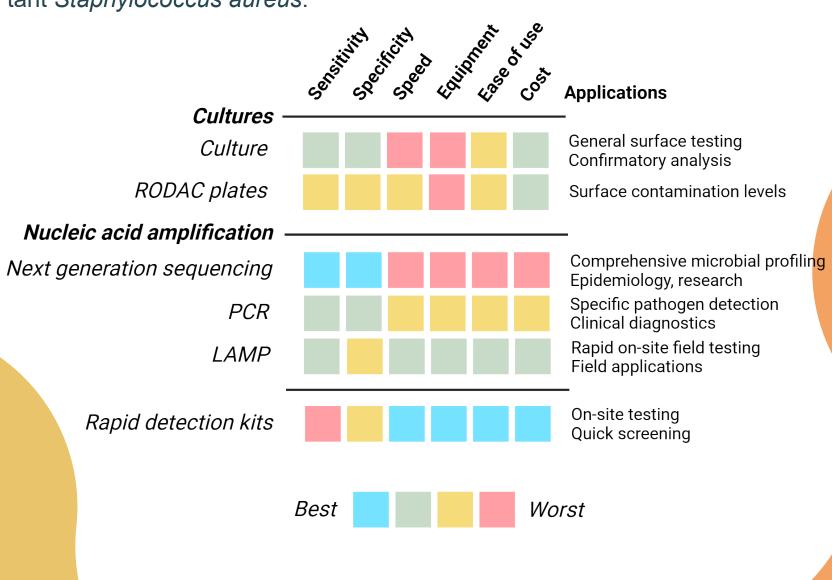
Aptasense

Rapid detection of MRSA on hospital surfaces

The problem

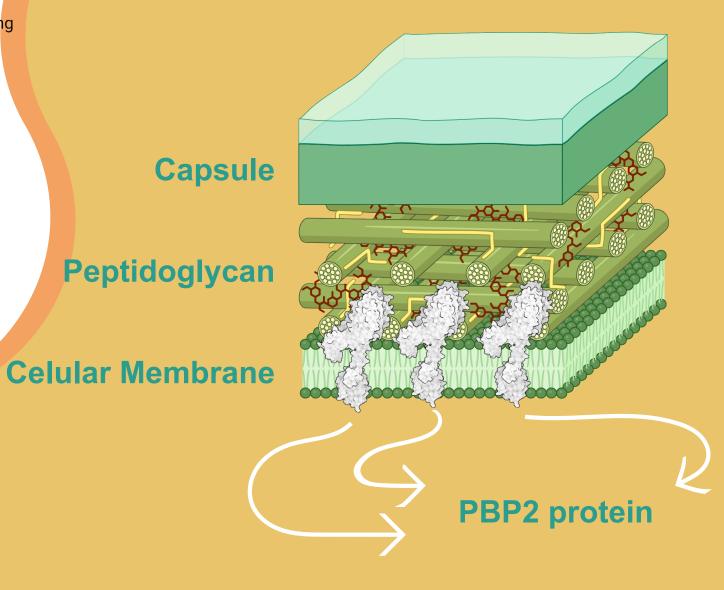
Current detection systems either achieve high sensitivity and specificity or perform well in terms of speed, cost, and ease of use. Hospitals require a quick and affordable test that allows daily monitoring of Methicillin-resistant Staphylococcus aureus.

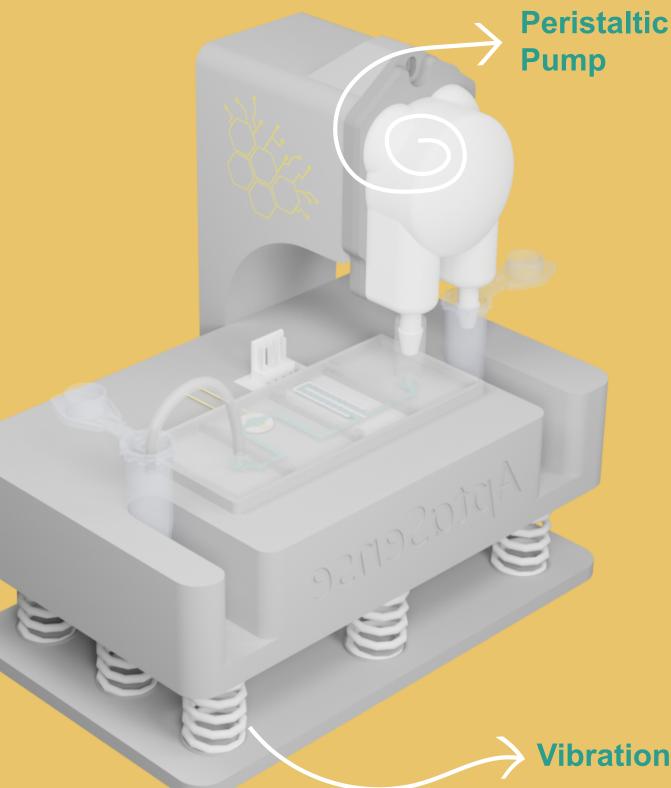


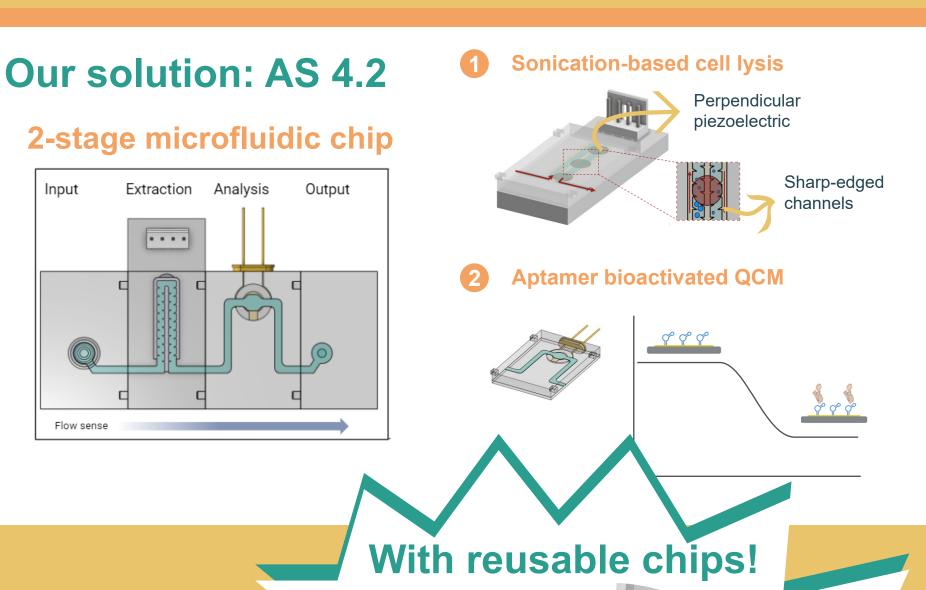


Methicillin-resistant Staphylococcus aureus

Methicillin normally works by stopping bacteria from making their cell walls, but MRSA bacteria have a special protein, PBP2a, that allows them to bypass this blockade and keep building the cell wall, leading to resistance.







Vibration isolation stage