

## Copper and MRSA – How scientists work

### Investigation report – *In vitro* evaluation of copper University of Southampton

#### Method

- 1 0.05 ml of an MRSA bacterial cell suspension was placed on the surface of 1 cm × 1 cm pieces of copper, brass and stainless steel, which were then incubated for three hours at 20 °C.
- 2 The MRSA cell suspensions from the pieces of metal were re-suspended in 1 cm<sup>3</sup> of sterile broth.
- 3 These suspensions were spread onto agar plates and incubated at 37 °C.
- 4 After 48 hours, the number of colonies on each plate was counted.

#### Results

Graph showing viable cell count of MRSA on copper, brass and stainless steel at room temperature (20 °C)

