Support protocol

Using the NucleoSpin® Tissue for purification of DNA from Methicillin-resistant *Staphylococcus aureus* (MRSA) (Rev.02)

Before starting with the preparation, set incubators or water baths to 37°C and 70°C, respectively. Before elution, equilibrate Elution Buffer BE to 70°C.

<u>Procedure</u>

1. Prepare samples (Swabs in Stuart Medium).
Vortex vigorously for 1 min in order to remove all bacteria cells from the swab. Remove the swab and centrifuge the sample for **5 min** at **8,000 x g.** Remove and discard supernatant.

2. Pre-Lysis.
Resuspend the pellet in **160 µL 50mM EDTA (pH 8)** by pipetting up and down. For efficient lysis add **20 µL of 10 mg/mL lysozyme** and **20 µL of 10mg/mL lysostaphin**. Vortex vigorously and incubate for 30–60 min at 37°C. Vortex occasionally during incubation or use a shaking incubator.

3.Lysis.
Add **200 µL Buffer B3,** vortex vigorously and incubate at **70°C** for **10 min.** Vortex briefly.
Proceed with step 4 of the standard protocol (see section 4.1 of user manual).

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