

PROTOCOL FOR SCREENING for MRSA
CRL course Copenhagen 20-22 April 2009

20th April (morning)

Presentation on collection of dust swabs

P1-Preenrichment:

Take carefully the 5 swabs out of the plastic bag, using gloves and under protection of a Laminar air flow bench and transfer the 5 swabs to a sterile plastic bottle.

Cover the swabs with Mueller Hinton Broth with 6,5%NaCl (about 300ml each bottle)

Incubate at 35-37C during 16-20 h

21st April (morning)

Add 1ml from the previous culture in MH 6,5% NaCl to 9ml of TSB broth with 3,5 mg/L cefoxitin (a good screening drug for MRSA) and 75mg/L aztreonam

Incubate at 35-37C during 16-20 h

**You will receive pre-made selective cultures to speed the process of selective isolation.
Therefore the selective culture is passed onto plates the same practical class.**

One loopful (10 µl loop) of the selective broth culture is spread both on blood agar plates and on Oxoid Brilliance MRSA Agar plates which are selective and allow differentiation of the MRSA (Denim blue colonies) and other.

Incubate at 35-37C during 18-24 h

22nd April Reading of plates

After incubation check for growth of typical the blue colonies and streak them for further work onto blood agar plates. After this step the isolates can be further characterized or frozen at -80C for posterior characterization.