

Direct identification from thiglycolate by MALDI-TOF

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Abstract

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Protocol

Step 1.

Once turbidity was detected in thioglycolate broth, extract 1.5 mL with a Pasteur pipette and place them on an Eppendorf tube.

Step 2.

Add 50 µL of Triton 10%, mix with a vortex and centrifuged (13200 rpm/2 minutes).

Step 3.

Discard the supernatant and resuspend the pellet in 500 µL of distilled water and re-centrifuged in the same conditions.

Step 4.

Discard the supernatant, and resuspend the resulting pellet in 50 µL of absolute ethanol. Vortex briefly.

Step 5.

Spot 1 µL onto a MALDI-TOF target plate and let it dry.

Step 6.

Add 1µL of formic acid and let it dry.

Step 7.

Overlaid with 1µL MALDI matrix (α -cyano-4-hydroxycinnamic acid) for mass spectrometry.