Enumeration

Day 1

10 g matrix

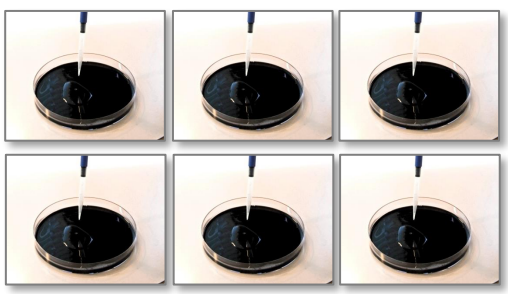
90 ml BPW

Homogenise approximately 1 minute

= ”initial suspension”

Take 1 ml of initial suspension to a large mCCDA plate **or** split into three small plates.

Prepare duplicates.



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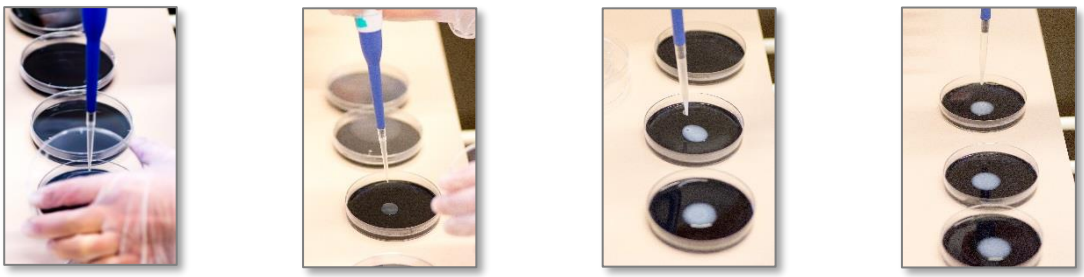
Day 1

Make a 1/10 dilution series starting from intitial suspension.

Transfer 0,1 ml of initial dilution and further dilutions to one mCCDA plate/dilution.



Spread the liquid over the agar plates.

Incubate all plates at 41.5 ± 1°C in microaerobic atmosphere for 44 ± 4 h.

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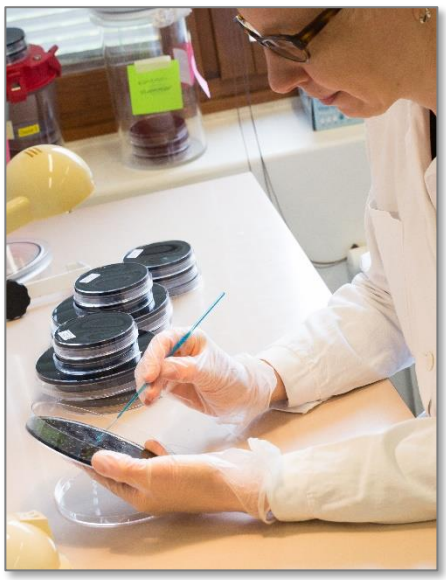
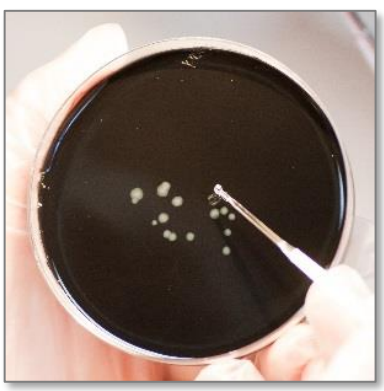
Day 3

Examine the plates; Select the plates containing less than 150 typical or suspect colonies; count these colonies and record their number as presumptive colonies per dish.



Typical colonies are grayish, often with a metallic sheen, flat, moist and a tendency to spread.

Choose at random 5 presumptive colonies for confirmation. Streak each of the selected colonies on blood agar



Incubate in microaerobic atmosphere at 41.5 ±1°C for 24-48h

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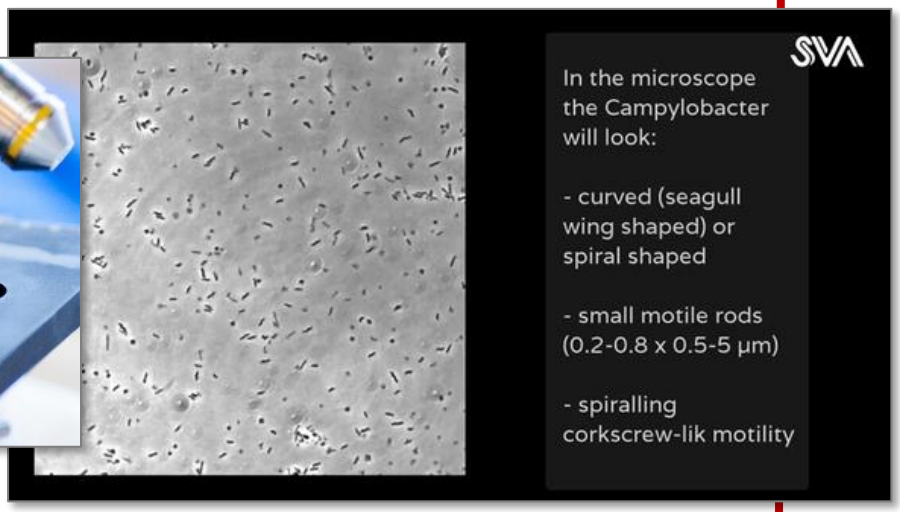
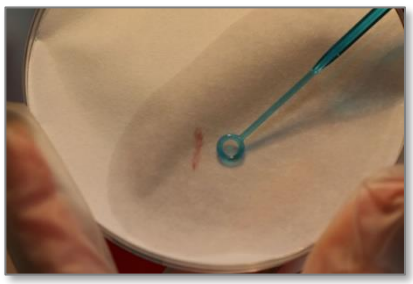
Day 4

Confirmation: morphology and motility, aerobic growth 25° and oxidase or alternative tests





Day 5/6

If:
morphology +
motility +
no aerobic growth 25°C
oxidase +

If one of following is negative: morphology, motility, aerobic growth 25°C or oxidase.

Species identification

Not *Campylobacter*

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This description of enumeration is according to ISO 10272:2 2017.

Photo: Linda Svensson, EURL-Campylobacter/SVA

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