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🌐 Crude extraction of Xylella fastidiosa from infected leaves

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Protocol status: Working
We use this protocol and it's working

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Abstract

This protocol can be used to (crudely) extract Xylella fastidiosa from infected leaves.

Troubleshooting

1   Pick leaves from plants infected with X. fastidiosa

2   With a scalpel, remove the first 2 cm of the central nerve of the plant was removed.

Note: X. fastidiosa is located in the xylem in this nerve. Including mesophyll will reduce the yield.

3   Crush the central nerve and extract bacteria with 50 ml of 0.01 M potassium phosphate buffer.

4   Drain the extract in a 50 ml conical centrifuge tube.