

Oct 21, 2019

Crude extraction of *Xylella fastidiosa* from infected leaves

DOI

dx.doi.org/10.17504/protocols.io.8i8huhw

Niels Appelman¹

¹Wageningen University

iGEM Wageningen 2019



Niels Appelman

Wageningen University

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.8i8huhw>

Protocol Citation: Niels Appelman 2019. Crude extraction of *Xylella fastidiosa* from infected leaves. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.8i8huhw>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited



Protocol status: Working

We use this protocol and it's working

Created: October 21, 2019

Last Modified: October 21, 2019

Protocol Integer ID: 28992

Keywords: crude extraction of xylella fastidiosa, xylella fastidiosa from infected leaf, xylella fastidiosa, crude extraction, infected leaf, infected leaves this protocol

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.