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Plant Infection with *Xanthomonas Campestris* Campestris

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Cleo B.¹

¹Wageningen University

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Cleo B.

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Protocol status: In development

We are still developing and optimizing this protocol



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Abstract

Plant infection of three week old plants with *Xanthomonas Campestris* Campestris.

Guidelines

Depending on the country, *X. campestris* may be an quarantine organism. Please make sure you follow the specific guidelines of your country.

Materials

At least three-week-old Brassica oleracea plants in climate chamber

Scissors

O/N culture *X. campestris*

Troubleshooting



Day 1

- 1 Make at least 40 mL of overnight culture of *Xanthomonas Campestris Campestris* at

 28 °C

Day 2

- 2 Measure OD600 of O/N culture

- 3 Centrifuge culture for  00:10:00 at  4000 rpm

- 4 Remove supernatant

- 5 Dissolve pellet in H₂O until an OD600 of 1. Make sure you have at least 30 mL of diluted culture.

- 6 Dip sterilized scissors in diluted culture and cut off the tip of a leaf (about 1 cm). Make sure to cut over the central vein. Repeat this for each leaf you want to infect.