

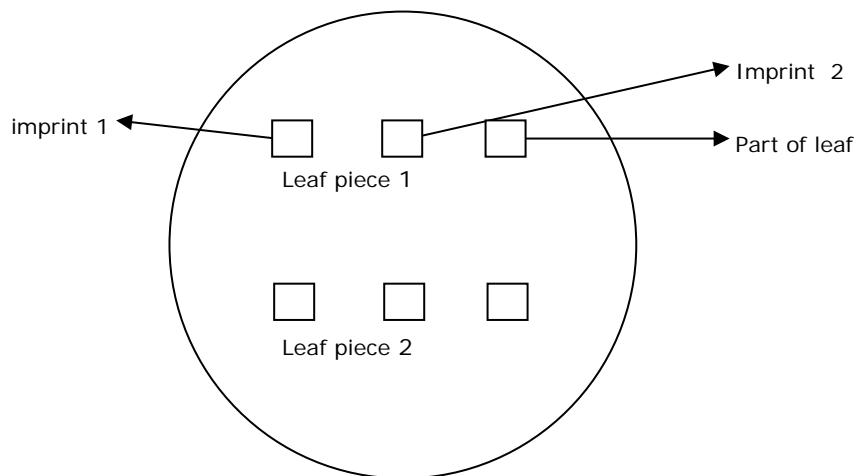
## Screening for *Alternaria* (*solani* or *alternata*)

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Marieke Förch and Trudy van den Bosch, Plant Research International

Contact person: Bert Evenhuis, bert.evenhuis@wur.nl

Take a leaf with symptoms of *Alternaria* and cut out little infected parts of the leaf (about 1 cm<sup>2</sup>). Transfer these parts to a petri dish with 1,5% wateragar with ampicillin (200 mg/l agar). To transfer the parts to the agar first make an imprint of both sides of the leaf onto the agar (see drawing). After that take the leaf part and put in upright into the agar. Take per infected leaf two different leaf pieces.



Put the petri dishes in a transparent box, and store it in a climate room with a temperature of 15°C and a light regime of 16 hours light and 8 hours dark. Don't close the petri dishes with parafilm.

Check the plates for spore formation after two weeks. Sometimes the spores will grow on the imprint, sometimes they will appear on the leaf. The formation of the spores, especially *Alternaria solani*, can take sometimes a little bit longer. If there are no spores after two weeks check the plates again a week later.