Inoculation of fruit and leaves of Apple Tree with *Erwinia amylovora*

Note: For this protocol, it is necessary to obtain fruits and leaves of the best quality, in order to avoid misleading results.

Materials
Scalpel
Ziploc bags
Atomizer
Plastic containers
Distilled water
Cotton balls
Petri plates
20% Ethanol
1% Sodium hypochlorite

Protocol

1. Inside the biosafety cabin, disinfect the apple and the leaves by leaving them in 1% sodium hypochlorite for 2 minutes, following for 2minutres in ethanol. Rinse with distilled water and let the samples dry.
2. Inoculation by spraying: Place the vegetal tissue into the ziploc bag, spray the inoculated media over the sample. Take the tissue out of the bag and place it either in a plastic container for the apple cuts or Petri plate for the leaves.
3. Inoculation by wound: Soak up the scalpel in the inoculated media, and cut the tissue in x-shaped wounds along the surface of the sample. Place it either in a plastic container for the apple cuts or Petri plate for the leaves.
4. To maintain a humid environment, place a beaker with distilled water in the containers and wet cotton balls in the Petri plates.
5. Place in the incubator at 28 ºC.
6. Keep under observation for 7 days.