Bacterial Culture Sample Protocol

Xanthomonas hortorum pv. *pelargonii (Xhp)* ImmunoStrip®
Catalog number: 32503

YOU WILL NEED

- Sample extract buffer SEB1 (ACC 00996)
- 1.5-ml microcentrifuge tubes
- Inoculation loops or toothpicks
- Sterile micropipette tips

SAMPLE PREPARATION

Bacterial cells for the test can be harvested from agar or liquid culture.

Bacteria from agar medium

The bacteria can be prepared by growing the cells on an agar medium such as Nutrient Agar (BD 213000) for 1-2 days. Using an inoculation loop or toothpick, transfer bacteria from the agar surface into a microcentrifuge tube containing 1.0 ml of SEB1. Make a series of 10-fold dilutions from this bacterial suspension in SEB1. The final volume for each dilution should be 200 ul and up to five dilutions are recommended. These diluted bacteria are ready for the strip test.

Bacteria from liquid culture

The bacteria can also be prepared by growing the cells in a liquid medium (*e.g*. Nutrient Broth, BD 234000) for 1-2 days. Transfer 1.0 ml of the bacterial suspension culture into a 1.5-ml microcentrifuge tube and make a series of 10-fold dilutions in SEB1. The final volume for each dilution should be 200 ul and up to five dilutions are recommended. These diluted bacteria are ready for the strip test.

*Please note that volumes and concentrations of each dilution could be critical to correct results.

TEST PROCEDURE

Remove the ImmunoStrip from the container. When handling the strips, always grasp the top of the strip marked with the test name. Do not remove protective covering. Keeping the strips in a vertical position, insert the ends of the strips marked “sample” into the bacterial suspension contained in the microcentrifuge tube. Do not allow much more than 0.5 cm or ¼ inch of the ends of the strips to be submerged in the suspension. Be sure the strips remain in the suspension during the test

The control line will appear in 3 to 5 minutes. Maximum reaction occurs at 30 minutes at which time the ImmunoStrip should be removed from the suspension. The control line assures that the test is working properly. If the control line does not appear, the test is invalid.

*Refer to the product insert for interpreting results.

Note: Positive results can be observed after 5 minutes in samples with high antigen concentration.