



Product information

AgriStrip for Aac detection

AgriStrip - the rapid one-step assay for the detection of *Acidovorax avenae* subsp. *citrulli* (Aac), the causal agent of Bacterial fruit blotch (BFB) of watermelon

Use of the AgriStrip for Aac detection:

This test is intended to confirm Aac in suspicious leaf and fruit samples. The pathogen is transmitted with seeds and spreads rapidly during growing season under favorable conditions. The symptoms of BFB are small, water-soaked lesions on cotyledons, light brown to reddish brown lesions on leaves or stem, and dark green lesions on fruits of watermelon.

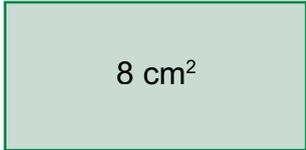
Specificity and Sensitivity:

The antibodies used for this **AgriStrip** assay were made against a blend of different Aac isolates originating from USA, Brazil, and Thailand (R. Walcott, pers. communication). There are cross-reactions with other subsp. of *Acidovorax avenae*, such as *A. avenae* subsp. *cattleyae* (Aacat) or *A. avenae* subsp. *avenae* (Aaa). Detection limit is between 10⁵ to 10⁶ cfu/ml.

Instructions for use:

- 1) Place approx. 0.15 g of symptomatic leaf sample (≈8 cm²), or approx. 0.6 g of fruit tissue (cut a small cone comprising a lesion) into an extraction bag and add 3 ml of **AgriStrip extraction buffer A** with a disposable pipette (Fig. 1*).
- 2) Homogenize the tissue with a handheld homogenizer thoroughly for at least 4-5 seconds (Fig. 2*).
- 3) **Transfer 4 drops** (approx. 150 µl) of the extract into a cuvette (Fig. 3*).
- 4) Insert the end of the strip marked «sample» into the extract (Fig. 4*) and observe formation of colored bands.

* For figures, please refer to «AgriStrip general information».



8 cm²

Ordering Information:

Description	Art. No.	Size	Assays
Aac AgriStrip Complete kit	161981	1 kit	25
Aac AgriStrip Single strips*	161982	25 units	25
Aac AgriStrip Single strips*	161983	100 units	100

* including **AgriStrip** Extraction buffer A, ready-to-use

Cuvettes, disposable	2534	100 units	100
Cuvette rack, holds 12 cuvettes	2166	1 unit	
Pipettes, disposable	2292	500 units	500
Extraction bags «Universal»	430100a	100 units	100
Homogenizer hand model	400010	1 unit	