

<b>VERSION:</b> 1.0	<b>DATE:</b> 12/2012
<b>PATHOGEN:</b> <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (syn: <i>Corynebacterium flaccumfaciens</i> pv <i>flaccumfaciens</i> )	
<b>HOST:</b> common bean ( <i>Phaseolus vulgaris</i> )	
<b>COMMON NAME:</b> bacterial wilt	
<b>METHOD:</b> Be 4.2 Selective Media Assay (Maringoni et al., 2006)	
<b>METHOD CLASS:</b> TEMPORARY STANDARD (B)	
<b>SAMPLE:</b> 200g seeds	

**PROCEDURE:**

1. Soak 200g samples of bean seeds, in 600 mL sterilized distilled water for 24 h at 5°C.
2. Stir the liquid and then use for seeding by streaking with a wire loop onto the surface of the semi-selective culture medium.
3. Incubate at 28 – 30°C for 96 to 120 hours and compare the colony characteristics to pure standard isolate (they used Feij-2634)

**CFFSM Recipe:**

Peptone 5g  
 meat extract 3g  
 sucrose 5g  
 agar 15g  
 skim milk powder\* 5g  
 Congo red\* 0.05g  
 chlorothalonil\* 0.01g  
 thiophanate methyl\* 0.01g  
 nalidixic acid\* 0.01g

nitrofurantoin\* 0.01g

oxacillin\* 0.001g

sodium azide\* 0.001g

distilled water 1L

\*added after autoclaving the basal medium

#### **REFERENCES:**

Maringoni, A. C. and Camara, R. C. 2006. *Curtobacterium flaccumfaciens* pv. *flaccumfaciens* detection in bean seeds using a semi-selective culture medium. *Brazilian Journal of Microbiology*. 37: 451-455.