

VERSION: 1.3	DATE: 01/01/2022
PATHOGEN: Xanthomonas campestris pv. campestris	
HOST: Brassica sp.	
COMMON NAME: black rot	
METHOD: Br 1.1 ISTA Method 7-019a: ver 6.0 (2019)*, 7-019b: ver 1.3 (2022)	
METHOD CLASS: STANDARD (A)	
SAMPLE: The minimum sample size is 30,000 seeds; maximum subsample size is 10,000 seeds.	

REVISION HISTORY:

NSHS Version 1.2: ISTA Method 7-019a: ver 6.0 (2019). The NSHS has approved the seed extract PCR but not the bio-PCR as a pre-screening method at this time.

NSHS Version 1.3: Safety precautions added; Sample size revised.

PROCEDURE:

Untreated seed, ISTA Method 7-019a:

[ISTA 2019 7-019a: ver 6.0](#)

***NOTE:** The NSHS has approved the seed extract PCR but not the bio-PCR as a pre-screening method.

PROCEDURE:

Treated/disinfested seed, ISTA Method 7-019b:

[ISTA 2022 7-019b: ver 1.3](#)

REFERENCES:

International Rules for Seed Testing. Annexe to Chapter 7: Seed Health Testing Methods.

7- 019a: ver 6.0 Detection of Xanthomonas campestris pv. campestris on Brassica spp. 2019.

7- 019b: ver 1.3 Detection of Xanthomonas campestris pv. campestris on Brassica spp. disinfested/disinfected seed with grinding. 2022.