

<b>VERSION:</b> 1.4	<b>DATE:</b> 3 / 1 / 2024
<b>PATHOGEN:</b> Phoma lingam [sexual stage: Leptosphaeria maculans and Plenodomus (Leptosphaeria) biglobosa]	
<b>HOST:</b> Brassica sp	
<b>COMMON NAME:</b> black leg; canker; dry rot	
<b>METHOD:</b> Br 2.1 Freeze Blotter Section of (ISTA 7-004: ver 2.2, 2024) Detection of Leptosphaeria maculans and Plenodomus biglobosus on Brassica seed	
<b>METHOD CLASS:</b> STANDARD (A)	
<b>SAMPLE:</b> 400 seeds minimum	

#### REVISION HISTORY:

- NSHS Version 1.1: Procedure #4. Botran solution correction
- NSHS Version 1.2: ISTA 7-004 describes both a freeze-blotter method and a malt agar plating method. Only the freeze-blotter method is approved by NSHS at this time. The use of Botran solution for Rhizopus control is allowed.
- NSHS Version 1.3: ISTA 7-004 ver 2.1 Sample size revised.
- NSHS Version 1.4: ISTA 7-004 ver 2.2 Sample size revised.

#### PROCEDURE:

[ISTA 2022 7-004: ver 2.2](#)

#### REFERENCES:

International Rules for Seed Testing. Annexe to Chapter 7: Seed Health Testing Methods. 2024 7-004: ver 2.2 Detection of Leptosphaeria maculans and Plenodomus biglobosus on Brassica spp. seeds.