

<b>VERSION:</b> 1.4	<b>DATE:</b> 3/1/2024
<b>PATHOGEN:</b> Tobamovirus (TMV/ToMV/PMMov)	
<b>HOST:</b> tomato ( <i>Solanum lycopersicum</i> ; syn. <i>Lycopersicon esculentum</i> ); pepper ( <i>Capsicum annuum</i> )	
<b>COMMON NAME:</b>	
<b>METHOD:</b> So 5.1 Plant Indexing Assay (ISTA 7-028: ver 1.4, 2024 for tomato); (ISF Method of Detection of Tobamovirus on Pepper seed, ver 2, Jan 2007)	
<b>METHOD CLASS:</b> TEMPORARY STANDARD (B)	
<b>SAMPLE:</b> The minimum recommended sample size is 3000 seeds; and the maximum subsample size should be 250 seeds.	

**REVISION HISTORY:**

- NSHS Version 1.3: Clarifications and not changes to procedure:
  - ISTA Method 7-028 ver 1.3, 2021-01-01: Sample size revised.
- NSHS Version 1.4: Clarifications and not changes to procedure:
  - ISTA Method 7-028 ver 1.4, 2024-01-01: Sample size revised.

**TOMATO PROCEDURE:**

[Tomato: Tobamovirus-ISTA-2024-SH-7-028 ver 1.4](#)

**PEPPER PROCEDURE:**

[Pepper: Tobamo-Jan-2007-ISF](#)

**REFERENCES:**

International Rules for Seed Testing. Annexe to Chapter 7: Seed Health Testing Methods. 2024, 7-028: ver 1.4 Detection of infectious tobamoviruses on *Solanum lycopersicum* (tomato) by the local lesion assay (indexing) on *Nicotiana tabacum* plants.

International Seed Federation (ISF) Method for the Detection of Tobamoviruses on Pepper seed, Version 2, Jan 2007.