

FILLED IN BY THE LABORATORY	
DATA ARRIVO:	CODICE RICHIESTA:
DATA REGISTRAZIONE:	CODICE CAMPIONI:

COMPANY NAME: CONTACT:

ADDRESS:

PHONE: EMAIL FOR SENDING REPORTS:

CROP:			SAMPLING DATE:			FILLED IN BY THE LABORATORY
VARIETY	LOT	NR OF SEEDS	TREATMENTS	REQUESTED TESTS	PREMIUM	CODICE CAMPIONE
					<input type="checkbox"/>	
					<input type="checkbox"/>	
					<input type="checkbox"/>	
					<input type="checkbox"/>	
					<input type="checkbox"/>	

REMARKS:

FOR THE NEW CUSTOMERS ONLY: INFO FOR INVOICING

VAT NR:

E-mail for sending invoices:

Customer guarantees that the samples respect what is stated and accepts the conditions written at page 2 and on the quotation

FILLED IN BY THE LABORATORY: OPERATORE:

CAMPIONI CONFORMI: SI NO PROVA CON METODO ISF2022: SI NO

DESCRIZIONE E GESTIONE N.C. – ALTRE NOTE:

TECHICAL REMARKS FOR THE METHOD IN THE PROCESS FOR THE ACCREDITATION**DETECTION OF *Clavibacter michiganensis* subsp. *michiganensis* (Cmm) IN TOMATO SEEDS – INTERNALLY DEVELOPED METHOD PR060BATTERI rev.0**

REFERENCE: ISHI-Veg (ISF) protocol: Detection of *Clavibacter michiganensis* subsp. *michiganensis* in tomato seed (version 5 - July 2022)

Sample must be of 10000 seeds, as recommended by the reference method.

Customer can require the Premium service, which allows to get the results faster, in compliance with the method and the technical leadtime; this service increases the price of the test of 20%. Expected leadtimes are the following:

- Optional pre-screening real-time PCR assay from seed extract: 3 days
- Dilution and plating, identification of the suspected colonies by 2 real-time PCR assays: 18 days
- Pathogenicity test on tomato plants: 4 weeks

An optional seed extract real time pcr assay may be used as a pre-screen; if this test is negative, the seed sample is considered to be healthy. If positive, this test is followed by the dilution plating and real time pcr assays from the suspected colonies and then the pathogenicity test: the aim of this second part of the method is to verify the presence of viable and pathogenic Cmm. If this test confirm the presence of Cmm, the seed sample is considered as infected.

It is possible to perform both the pre-screen and the tests on the same seed sample, but both the tests must be processed at the same day.

Restriction of use:

- The method has been validated on not treated seeds
- The seed extract real time PCR can not be applied on seed treated with protective chemicals, seed disinfectants or biological substances; in particular it is not compatible with seed treated with hypochlorite (ClO⁻).
- The dilution plating is suitable for seed extracted using pectinase and/or acid, and for seed treated with physical (such as hot water) or chemical (calcium or sodium hypochlorite, tri-sodium phosphate, ...) processes. The laboratory check the inhibition of the treatment spiking the sample.
- The ability to recover Cmm on plates can be influenced by the presence of other microorganisms; this is checked by the laboratory spiking the most concentrated seed extracts with Cmm at known concentration.

The samples which don't satisfy these criteria and are less than 10000 seeds will be considered not compliance and will not be tested by the method in the process of accreditation (PR060BATTERI)