

One-stop service - world-class, worldwide

Verdelab

Official Plant Pathology Lab



Phytosanitary control

- Detection of seed-transmitted pathogens
- Genetic analysis for purity and fingerprinting
- Seed/Plant diagnosis for viruses, bacteria, fungi

Selection of resistant genotypes

- Molecular marker assisted selection (MAS)
- In vivo resistance bioassays in controlled conditions
- Artificial pathogen inoculation
- No seasonal limitations



Reliability

Fast turn around time

Flexibility



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 **eurofins**

verdelab

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70+ customer seed companies worldwide

1,000sqm lab for microbiology and molecular tests

500sqm phytotrons with controlled growing conditions (temperature, humidity, photoperiod)

300+ Fungi **120+** Bacteria **200+** Virus/Viroids/Phytoplasmas

on a large range of crops (vegetables, fruits and field crop species)

- Validated protocols with high reproducibility
- New method development for emerging diseases
- Direct access to the Eurofins Agroscience Services network (stations, fields and greenhouses)

Certifications

- Official Laboratory designated by the Italian Ministry of Agriculture
- Accreditation UNI CEI ISO/IEC 17025:2018
- GSPP laboratory for the detection of *Clavibacter michiganensis* subsp. *michiganensis* (Cmm) on tomato seeds

