

# Plant Health Services



Eurofins STA Plant Health Services, a division of Eurofins STA Laboratories, provides disease detection and elimination services specifically for grapevines. Our reliable and rapid plant health testing services enable grape growers, nursery managers, and wineries to obtain the highest possible while producing desired grape quality.

Establishing a healthy and productive vineyard requires a considerable investment of time and resources. The cost of replanting grapevines can reach \$75,000 per acre when considering the loss of production and wine sales. Since visual field diagnosis of grapevine diseases varies in accuracy, growers are turning to laboratory testing to help assess the true impacts of viruses, bacteria, and fungi that cannot be detected with the naked eye.

Our testing services have been designed to go above and beyond existing state certifications because we know, as you do, that optimal plant health does not originate or end in a lab. We combine state-of-the-art testing with proven, traditional methods to ensure the most efficient and cost-effective testing, sampling, and consultation services available for in-field, pre-planted grapevines and cuttings.

[www.stalabs.com](http://www.stalabs.com)



STA Laboratories

# Our Services

## DISEASE DETECTION

Early detection helps growers avoid costly plantings and spread of disease to new vineyards. **Eurofins STA Plant HealthCheck™** detects the following grapevine pathogens using modern serological, and molecular diagnostic technology, such as microbial plating, ELISA, real-time PCR, and traditional PCR.

### HealthCheck™ Panel A

Grapevine virus A,B, and D  
Grapevine fleck virus  
Grapevine leafroll associated virus 1-7 and -9  
(Includes Leafroll -2 Red Globe strain)  
Grapevine Rupestris stem pitting associated virus  
(Includes Syrah strain)

### HealthCheck™ Panel B

Arabis mosaic virus  
Grapevine fanleaf virus  
Tobacco ringspot virus  
Tomato ringspot virus

### HealthCheck™ Panel CG

Crown gall (*Agrobacterium vitis*)

### HealthCheck™ Panel PD

Pierce's disease (*Xylella fastidiosa*)

### HealthCheck™ Fungal Panel

*Botryosphaeria* spp., *Cylindrocarpon* spp.,  
*Phaeoacremonium* spp., *Phaeomoniella* spp., and others

In addition, we are continuously developing and deploying new detection techniques to support grapevine health. We serve as first responders to vineyard growers throughout the world so you can count on our proven testing methods for healthy grapevines today and in the future.

## DISEASE ERADICATION

For grapevine growers a positive test result can open a Pandora's Box. We offer **custom disease eradication services** that use modern technology to completely eliminate disease from stock plant material. By detecting pathogens at the earliest phases, we help you mitigate losses by stopping diseases that can continue to spread and destroy existing plant stock. We also provide tissue culture propagation of grapevine stock to grow healthy and vigorous plantings. All Eurofins STA client materials, diagnostic results, and reports are handled in full confidentiality.

## PLANT HEALTH CONSULTATION

Grapevines are expected to live over 80 years. It makes good business sense to pay close attention to the organization of your grapevine mother blocks and ensure your planting material is free of known and detectable pathogens. As a grower, you require diagnostics and specific advice on how to improve production capacity based on the testing outcomes.

We have created **Eurofins STA Plant HealthCheck™ custom service packages** that combine state-of-the-art testing with on-site consultation from our leading expert plant pathologists. We work closely with you in the field to discuss your specific testing needs, recommend sampling strategies to more accurately detect the presence of pathogens in spite of low concentration or erratic distribution in the vine, and provide field or nursery operation inspections to assess grapevine health.

For a confidential consultation from Eurofins STA Plant Health Services, contact  
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