

Pathogen	ELISA	LOEWE® FAST	End-Point PCR	LOEWE® REALTIME	Immuno Fluorescence	Remarks
Acidovorax a. subsp. citrulli	✓	✓	✓		✓	
Alfalfa Mosaic Virus	✓					
African Cassava Mosaic Virus	✓*					* detected by TYLCV ELISA
Andean Potato Latent Virus	✓					
Andean Potato Mottle Virus	✓					
Apple Chlorotic Leafspot Virus	✓		✓			
Apple Mosaic Virus	✓	✓	✓			
Apple Proliferation Group Phytoplasma			✓			
Apple Stem Grooving Virus	✓		✓			
Arabis Mosaic Virus	✓					
Aster Yellows Phytoplasma			✓			
Bean Golden Mosaic Virus	✓*					* detected by TYLCV ELISA
Barley Mild Mosaic Virus	✓		✓*			* Duplex-PCR with BaYMV
Barley Stripe Mosaic Virus	✓					
Barley Yellow Dwarf Virus (PAV, MAV)	✓					
Barley Yellow Mosaic Virus	✓		✓*			* Duplex-PCR with BaMMV
Bean Common Mosaic Necrosis Virus	✓					
Bean Common Mosaic Virus Serotype B	✓					
Bean Yellow Mosaic Virus	✓					
Beet Black Scorch Virus	✓					
Beet Mosaic Virus	✓					
Beet Necrotic Yellow Vein Virus	✓		✓*			* Triplex PCR with BSbV, BV-Q
Beet Soil-Borne Virus			✓*			* Triplex PCR with BNYVV BV-Q
Beet Virus Q	✓		✓*			* Triplex PCR with BSbV, BNYVV
Beet Yellows Virus	✓	✓				
Botrytis cinerea grapevine isolate	✓	✓				
Broad Bean Wilt Virus I	✓					
Broad Bean Wilt VirusII	✓					
Brome Mosaic Virus	✓					
Brome Streak Mosaic Virus	✓					
Calibrachoa Mottle Virus	✓					
Carnation Latent Virus	✓					
Carnation Mottle Virus	✓					
Carnation Ringspot Virus	✓					
Carnation Vein Mottle Virus	✓					
Celery Mosaic Virus	✓					
Cherry Leafroll Virus	✓		✓*			* PCR detects all isolates
Chilli Veinal Mottle Virus	✓					
Chrysanthemum Virus B	✓					
Citrus Tristeza Virus	✓		✓			
Clavibacter m. subsp. insidiosus			✓			
Clavibacter m. subsp. michiganensis	✓	✓	✓		✓	
Clavibacter m. subsp. sepedonicus	✓	✓	✓	✓	✓	
Coletotrichum spec.			✓			
Common Oak Ringspot Virus	✓					
Cowpea Mild Mottle Virus	✓					
Cucumber Green Mottle Mosaic Virus	✓	✓				
Cucumber Mosaic Virus (Serogroup 1 and 2)	✓	✓	✓*			* Duplex PCR for discrimination of serogroups 1, 2

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Cucurbit Aphid-borne Virus			✓			
Cucurbit Chlorotic Yellows Virus	✓					
Cucurbit Vein Yellowing Virus			✓			
Cucurbit Yellow Stunting Disorder Virus	✓		✓			
Curtobacterium f. subsp. flaccumfaciens			✓		✓	
Cymbidium Mosaic Virus	✓					
Cymbidium Ringspot Virus	✓					
Dickeya chrysanthemi	✓				✓	
Eggplant Mottled Dwarf Virus	✓					
Elm Yellows Phytoplamsa			✓			
Erwinia amylovora	✓		✓			
European Mountain Ash Ringspot-associated Virus			✓			
Freesia Mosaic Virus	✓					
Fusarium culmorum			✓			
Fusarium graminearum			✓			
Grapevine Algerian Latent Virus	✓					
Grapevine Fanleaf Virus	✓					
Grapevine Leafroll associated Virus-1	✓					
Grapevine Leafroll associated Virus-3	✓					
Grapevine Leafroll associated Virus-7	✓					
Hop Mosaic Virus	✓					
Hydrangea Ringspot Virus	✓		✓			
Impatiens Necrotic Spot Virus	✓	✓	✓			
Iris Yellow Spot Virus	✓					
Johnson Grass Mosaic Virus	✓					
Lettuce Mosaic Virus	✓					
Lettuce Necrotic Stunt Virus	✓					
Maize Chlorotic Mottle Virus	✓					
Maize Dwarf Mosaic Virus	✓					
Melon Necrotic Spot Virus	✓	✓				
Mirafiori Lettuce Big-Vein Virus	✓					
Morrocac Watermelon Mosaic Virus	✓					
Nemesia Ring Necrosis Virus	✓					
Odontoglossum Ringspot Virus	✓					
Olive Latent Virus-1	✓					
Onion Yellow Dwarf Virus	✓					
P. syringae pv. lachrymans	✓					
P. syringae pv. tomato	✓				✓	
P.seudomonas savastanoi pv. phaseolicola	✓					
Pantoea stewartii subsp. stewartii	✓	✓	✓	✓	✓	
Papaya Ringspot Virus (= Watermelon Virus I)	✓					
Paprika Mild Mottle Virus	✓					
Pea Enation Mosaic Virus	✓					
Pea Necrotic Yellow Dwarf Virus	✓		✓			
Pea Seed-borne Mosaic Virus	✓					
Pectobacterium atrosepticum	✓					
Pelargonium Flower Break Virus	✓					
Pelargonium Leafcurl Virus	✓					
Pelargonium Line Pattern Virus	✓					
Pepino Mosaic Virus	✓	✓	✓			

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Pepper Mild Mottle Virus	✓					
Pepper Mottle Virus	✓					
Pepper Veinal Mottle Virus	✓	✓				
Petunia Asteroid Mosaic Virus	✓					
Phytophthora spp.	✓		✓			
Plum Pox Virus universal (5IVIA-B)	✓		✓			
Poinsettia Mosaic Virus	✓					
Poplar Mosaic Virus	✓					
Potato Aucuba Mosaic Virus Set	✓					
Potato Black Ringspot Virus	✓					
Potato Leafroll Virus	✓		✓			
Potato Mop top Virus			✓			
Potato Virus A	✓					
Potato Virus M	✓					
Potato Virus S	✓					
Potato Virus X	✓	✓				
Potato Virus Y	✓	✓	✓			
Potyvirus Group			✓			
Prune Dwarf Virus	✓	✓				
Prunus Necrotic Ringspot Virus	✓	✓	✓			
Pseudomonas syringae pv. pisi	✓					
Pythium spp.	✓					
Radish Mosaic Virus	✓					
Ralstonia solanacearum	✓	✓	✓	✓	✓	
Raspberry Bushy Dwarf Virus	✓					
Raspberry Ringspot Virus Broad Range	✓*					* detects RpRSV-ch, RpRSV-r, RpRSV-g
Raspberry Ringspot Virus cherry isolate	✓					
Raspberry Ringspot Virus grapevine isolate	✓					
Raspberry Ringspot Virus raspberry isolate	✓					
Red Clover Mottle Virus	✓					
Ribgrass Mosaic Virus	✓*					* detected by Tobamoscreen II
Rhizoctonia solani	✓					
Rhodococcus fascians	✓		✓			
Rice Yellow Mottle Virus	✓					
Soil-borne Cereal Mosaic Virus	✓					
Soil-borne Wheat Mosaic Virus	✓					
Sorghum Mosaic Virus	✓					
Southern Bean Mosaic Virus	✓					
Soybean Mosaic Virus	✓					
Squash Mosaic Virus	✓					
Stolbur Phytoplasma			✓			
Strawberry Latent Ringspot Virus	✓		✓			
Streptocarpus Flowerbreak Virus	✓*					* detected by Tobamoscreen II
Sugarcane Mosaic Virus	✓					
Tobacco Mild Green Mosaic Virus	✓					
Tobacco Mosaic Virus	✓	✓				
Tobacco Necrosis Virus Broad Range	✓*					* detects serogroups A, D

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Tobacco Rattle Virus Broad Range	✓*					* detects TRV-J, -K, -M
Tobacco Rattle Virus J	✓					
Tobacco Rattle Virus K	✓					
Tobacco Rattle Virus M	✓					
Tobacco Ringspot Virus	✓					
TobamoScreen I	✓*	✓*	✓*			* detects TMV, ToMV, PMMoV, ToBRFV
TobamoScreen II	✓*					* detects RMV, SFBV, TVCV, YMV
Tomato Aspermy Virus	✓					
Tomato Blackring Virus	✓					
Tomato Brown Rugose Fruit Virus	✓	✓*	✓	✓		* detected by TobamoScreen I
Tomato Bushy Stunt Virus	✓					
Tomato Chlorosis Virus	✓		✓			
Tomato Chlorotic Spot Virus	✓		✓*			* detected by LF07509
Tomato infectious Chlorosis Virus			✓			
Tomato Leafcurl New Delhi Virus			✓			
Tomato Mosaic Virus	✓	✓				
Tomato Mottle Mosaic Virus			✓			
Tomato Ringspot Virus	✓					
Tomato Spotted Wilt Virus	✓		✓			
Tomato Yellow Leafcurl Virus	✓*		✓			* also detects: ACMV, BGMV
TospoScreen	✓*	✓*				* ELISA detects: TSWV, GRSV; TCSV, INSV; LF detects TSWV, TCSV, GRSV
Turnip Mosaic Virus	✓					
Turnip Vein Clearing Virus	✓*					* detected by Tobamoscreen II
Turnip Yellow Mosaic Virus	✓					
Turnip Yellows Virus	✓		✓			
Universal Phytoplasma			✓			
Watermelon Mosaic Virus II	✓					
Wheat Dwarf Virus	✓					
Wheat Spindle Streak Mosaic Virus	✓					
Wheat Streak Mosaic Virus	✓					
Xanthomonas arboricola pv. corylina	✓				✓	
Xanthomonas arboricola pv. pruni	✓		✓			
Xanthomonas axonopodis pv. begoniae	✓				✓	
Xanthomonas axonopodis pv. phaseoli	✓				✓	
Xanthomonas c. pv. campestris	✓					
Xanthomonas c. pv. vesicatoria	✓				✓	
Xanthomonas campestris Lobelia isolate	✓				✓	
Xanthomonas citri pv. citri	✓		✓		✓	
Xanthomonas citri pv. auranthifolii	✓					
Xanthomonas fragariae	✓				✓	
Xanthomonas hortorum pv. pelargonii	✓	✓	✓		✓	
Xanthomonas oryzae	✓		✓		✓	
Youcai Mosaic Virus	✓*					* detected by Tobamoscreen II
Xylella fastidiosa	✓	✓	✓	✓	✓	
Xylophilus ampelinus	✓	✓	✓		✓	
Zucchini Green Mottle Mosaic Virus	✓	✓				
Zucchini Yellow Fleck Virus	✓					