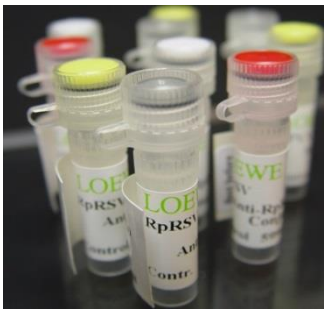
ELISA (Enzyme-linked Immunosorbent Assay) is the most common test method for the detection of plant pathogens, like viruses and bacteria. LOEWE® offers a range of more than 150 high quality ELISA products for specific and sensitive detection of plant diseases. ELISA reagents can be supplied as sets or complete kits. All necessary reagents, buffers and plates are also available separately.

ELISA Sets



contain Coating-IgG and AP-Conjugate and are supplied as 100, 300, 500, and for many pathogens as 1000 and 5000 test units.

One test corresponds to one well in the ELISA plate. The reagents are optimized and evaluated for a test volume of 200µl, if not indicated otherwise in the test manual, ensuring highest accuracy, repeatability and sensitivity.

ELISA Complete Kits

available for 96, 480, and 960 tests. The kits contain all ELISA reagents, controls, buffers and ELISA plates or modules to perform the ELISA assay.

Components	96 test format	480 test format	960 test format
Antibody (IgG)	0.1 ml	0.5 ml	1.0 ml
Antibody-AP-conjugate	0.1 ml	0.5 ml	1.0 ml
Positive Control	10 tests	10 tests	20 tests
Negative Control	10 tests	10 tests	20 tests
Coating Buffer	1 liter	1 liter	1 liter
Wash Buffer	1 x 5 liter	1 x 5 liter	2 x 5 liter
Conjugate/Sample Buffer	1 x 1 liter	2 x 1 liter	4 x 1 liter
Substrate Buffer (5x)	1 x 25 ml	1 x 25 ml	2 x 25 ml
Substrate Tablets	4 x 5 mg	5 x 20 mg	10 x 20 mg
Tween 20	10 ml	10 ml	10 ml
High-binding ELISA plates	12 Modules à 8 wells	5 plates	10 plates
Sealing Cover	1	5	10

ELISA Positive and Negative Controls

Negative controls are made from a healthy host plant and are tested for the absence of the respective pathogen. They are lyophilized and sufficient for 10 test wells. Positive controls are made from infected plant material or bacterial cultures, if not stated otherwise. They are lyophilized and sufficient for 10 test wells. Inactivated positive controls are additionally tested for the absence of infectivity. Unspecific non-pathogenic 'method' controls are sold for some quarantine pathogens.