

Product information

Product name:	anti-Ramularia pab ELISA-Stick with test reagents set
Product number:	ER-7
Package size:	10 tests
General description:	<i>Ramularia collo-cygni</i> is now recognized as an important pathogen of barley. It induces necrotic spotting and premature leaf senescence, leading to loss of green leaf area in crops, and can result in substantial yield losses. The fungus produces a number of anthraquinone toxins called rubellins, which act as host nonspecific toxins with photodynamic activity. These toxins induce lipid peroxidation and are possibly the cause of the chlorosis and necrosis observed in leaves infected with <i>R. collo-cygni</i> . The fact that the fungus can remain latent in barley plants until flowering, coupled with its very slow growth in vitro, makes it difficult to detect in crops. As a result, the epidemiology of this pathogen remains poorly understood.
Principle:	The <i>Ramularia detection reagent set</i> is sensitive and easy to handle test for the detection of <i>Ramularia</i> . The test can be carried out without sample preparation or pre-incubation. Since the test does not require any labour equipment, it is especially suitable for analysis on the spot.
Sensitivity:	Detection limit 1 ng
Sample size:	max. 1 ml
Assay sample type:	any sample
Detection time:	1.5 h

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