

Product information

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| Product name: | anti-Deoxynivalenol pab ELISA-Stick with test reagents |
| Product number: | ED-3 |
| Package size: | 10 tests |
| General Description: | <p>Deoxynivalenol (DON) or vomitoxin, is a type B trichothecene, an epoxy-sesquiterpeneoid. This mycotoxin occurs predominantly in grains such as wheat, barley, oats, rye, and maize, and less often in rice, sorghum, and triticale. The occurrence of deoxynivalenol is associated primarily with <i>Fusarium graminearum</i> (<i>Gibberella zeae</i>) and <i>F. culmorum</i>, both of which are important plant pathogens which cause <i>Fusarium</i> head blight in wheat and <i>Gibberella</i> ear rot in maize. A direct relationship between the incidence of <i>Fusarium</i> head blight and contamination of wheat with deoxynivalenol has been established. The incidence of <i>Fusarium</i> head blight is strongly associated with moisture at the time of flowering (anthesis), and the timing of rainfall, rather than the amount, is the most critical factor. Furthermore, deoxynivalenol contents are significantly affected by the susceptibility of cultivars towards <i>Fusarium</i> species, previous crop, tillage practices, and fungicide use.</p> |
| Principle: | <p>The <i>Deoxynivalenol detection reagent set</i> is sensitive and easy to handle test for the detection of <i>Deoxynivalenol</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.</p> |
| Sensitivity: | Detection limit 1 ng |
| Sample size: | max. 1 ml |
| Assay sample type: | any sample |
| Detection time: | 1.5 h |

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