



**new**



## MCMV | DAS-ELISA

DAS-ELISA reagent for detection of Maize chlorotic mottle virus (MCMV) is now available. In combination with cereal viruses of the Potyviridae group, such as SCMV or MDMV it causes a serious disease MLN (Maize lethal necrosis).

### Plant disease

MLN is a disease, which appeared in 2011 in Eastern Africa. It is caused by a combination of two viruses, including MCMV. Visual symptoms on plants do not give indication about the individual virus types which are involved in the disease.

MLN causes significant maize crop losses of up to 100%.

To prevent the spread of MLN, it is crucial to diagnose the disease.

DAS-ELISA MCMV reagents have been developed to detect the Maize chlorotic mottle virus.

DAS-ELISA SCMV (Sugarcane mosaic virus) and MDMV (Maize dwarf mosaic virus) reagents are available at BIOREBA AG.

### Features

- MCMV reagent was developed using an original maize virus isolate from Eastern Africa
- MCMV reagent was validated using different strains from Africa, South America and Hawaii

### Application

- Maize leaves and seeds

### Benefits of DAS-ELISA testing

- Easy to use
- Reliable
- Efficient

*DAS-ELISA MCMV reagent was developed in cooperation with the Leibniz-Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH.*

*DAS-ELISA MCMV reagent was validated in cooperation with Dr. M. Mezzalama from the International Maize and Wheat Improvement Center (CIMMYT).*

