

## ImmunoStrip<sup>®</sup> for Maize chlorotic mottle virus (MCMV)



**Test Label:** Colloidal gold  
**Test Format:** ImmunoStrip  
**Capture Reagent:** Polyclonal  
**Detection Reagent:** Monoclonal

### Intended Use:

The *Maize chlorotic mottle virus* ImmunoStrip is an on-site tool to quickly detect the presence of MCMV in corn.

*Maize chlorotic mottle virus* (MCMV) is a *Machlomovirus* that can cause stunting, chlorotic stripes, and leaf necrosis in corn. MCMV is a major concern to corn producers because of its contribution to Maize Lethal Necrosis Disease (MLND). MLND is caused when corn is co-infected with MCMV and a *Potyvirus* such as *Sugarcane mosaic virus* (ScMV). MLND has more pronounced symptoms and can result in significant yield loss to a crop. African corn growing regions, where food production is vital, have been devastated by the disease in recent years.

The test requires no equipment or expertise to run. Results are obtained in as little as a few minutes making them perfect for use in the field or greenhouse. It can also be used in conjunction with Agdia's Poty ImmunoStrip, using the same sample extract, to determine if a plant is co-infected with both MCMV and a *Potyvirus*.

MCMV ImmunoStrip is specific to MCMV and does not cross-react with other pathogens that may infect gramineous, such as *Barley stripe mosaic virus* (BSMV), *Barley yellow dwarf virus-MAV* (BYDV-MAV), *Barley yellow dwarf virus-PAV* (BYDV-PAV), *Barley yellow dwarf virus-RMV* (BYDV-RMV), *Cereal yellow dwarf virus-RPV* (CYDV-RPV), *Cocksfoot mild mosaic virus* (CMMV), *Cucumber mosaic virus* (CMV), *High plains virus* (HPV), *Johnson grass mosaic virus* (JGMV), *Maize chlorotic dwarf virus* (MCDV), *Maize dwarf mosaic virus* (MDMV), *Maize mosaic virus* (MMV), *Maize rayado fino virus* (MRFV), *Maize stripe virus* (MSpV), *Maize white line mosaic virus* (MWLMV), *Panicum mosaic sobemovirus* (PMV), *Sugarcane mosaic virus* (SCMV), *Wheat spindle streak mosaic virus* (WSSMV), and *Wheat streak mosaic virus* (WSMV)

### Kit (ISK) Includes:

- ImmunoStrips
- Sample bags containing SEB1 buffer
- [User Guide](#)

### ImmunoStrips<sup>®</sup> Only (STX) Includes:

- ImmunoStrips<sup>®</sup>
- SEB1 extraction buffer purchased separately

### Option

ImmunoStrip<sup>®</sup> for Maize chlorotic mottle virus (MCMV), 5 strips & buffer filled bags  
ISK 17002/0005

ImmunoStrip<sup>®</sup> for Maize chlorotic mottle virus (MCMV), 25 strips & buffer filled bags  
ISK 17002/0025

ImmunoStrips<sup>®</sup> only for Maize chlorotic mottle virus (MCMV) \*\*\*BUFFER FILLED BAGS NOT INCLUDED\*\*\* STX 17002/0025

#### India Contact:

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