

# **PRIMARY DETECTION OF *CASSAVA MOSAIC VIRUS* ON CASSAVA (*Manihot esculenta* Crantz) IN TAY NINH PROVINCE BY USING PCR TECHNIQUE**

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## **Summary**

Cassava (*Manihot esculenta* Crantz) belongs to the Euphorbiaceae family, which is an important economic root crop grown in Vietnam, including Tay Ninh province. Currently, cassava leaf mosaic disease appeared and caused quite serious in Tay Ninh province. The purpose of this study was to apply PCR technique to detect cassava mosaic virus. Primer screening showed that the 2 primer combinations of 7 primer combinations gave good results when detecting ACMV, EACMV and SLCMV strains causing cassava leaf mosaic disease. Results displayed that 100% of cassava samples were collected in presence of 3 strains of ACMV (368 bp), EACMV (650 bp) and SLCMV (1056 bp). The results is one of the first studies on cassava leaf mosaic disease in Tay Ninh, and could be useful information for the next CMV study, to monitor the cassava mosaic virus disease in Vietnam.

**Keywords:** *Cassava, pest, primer, cassava mosaic virus, virus detection.*