

## Characteristics of Tobacco Mosaic Virus (TMV) on Chinese foxglove, *Rehmania glutinosa* Liboschitz

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Chinese foxglove (*Rehmania glutinosa*) plants with infected leaves were investigated for tobacco mosaic virus (TMV), collected from Chonbuk province (Jinan, Jangsu, Jeongup) during January-September, 2001. All infected leaves of three regions reacted positively with ELISA test. *Nicotiana glutinosa* and *N. tabaccum* cv. samson showed local spot and systemic symptom respectively, upon crude sap inoculation.

Rod-shaped TMV particles were observed in infected leaves by dipping method, using transmission electron microscope. For detection of the viruses, RT-PCR was carried out with specific primer. The RT-PCR product, a 530bp, was obtained from naturally infected leaves of 'Seocheon variety(tissue culture breeding)' .