

VERSION: 1.0	DATE: 2001
PATHOGEN: Lettuce Mosaic Virus (LMV)	
HOST: lettuce (<i>Lactuca sativa</i>)	
COMMON NAME:	
METHOD: Lcb 8.1 Chenopodium Assay (Kimble et al., 1975) (formerly Cv 1.1)	
METHOD CLASS: STANDARD (A)	
SAMPLE: 30,000 seeds	

PROCEDURE:

1. Grind sub-samples of 500 lettuce seeds (total sample 30,000 seeds) in 4ml 0.05M phosphate buffer pH 7.7, containing 0.1% thioglycolic acid.
2. Mechanically inoculate five *Chenopodium quinoa* seedlings with each extract (within 16 minutes of making the extract).
3. Observe indicator plants for symptoms 18-20 days after inoculation (chlorotic local lesions followed by systemic yellow vein-netting and leaf distortion).

REFERENCES:

Kimble, K. A., Grogan, R. G., Greathead, A. S., Paulus, A. O. and House, J. K. 1975. Development, application, and comparison of methods for indexing lettuce seed for mosaic virus in California. *Plant Disease Reporter*. 59(6):461-464.