



VALIDATION DATA SHEET



This validation data sheet has been produced following recommendations of the EPDIA Quality Charter.
For further information, please visit the EPDIA website (www.epdia.eu)

PRODUCT/TEST CODE	MWMV Full kit (500, 1000 tests) / MWM-XRA 0500; MWM-XRA 1000
Product/test description	ELISA diagnostic kit for MWMV
MANUFACTURER	SEDIAG SAS Technopôle Agro-Environnement Bâtiment B – 2eme étage RD 31 21110 Bretenièrre France Tél: +33 (0) 3 80 67 49 42 mail: info@sediag.fr Web: https://sediag.fr/

GENERAL INFORMATION

Target Organism(s)	Moroccan Watermelon Mosaic Virus (MWMV)
Method	DAS-ELISA
References	Yakoubi, S; Desbiez, C; Fakhfakh, H, et al. 2008. Biological characterization and complete nucleotide sequence of a Tunisian isolate of Moroccan watermelon mosaic virus. ARCHIVES OF VIROLOGY. Volume: 153. Pages: 117-125. H. Lecoq, I. Justafre, C. Wipf-Scheibel and C. Desbiez. 2007. Moroccan watermelon mosaic virus newly reported on zucchini squash in France. Plant disease. Lecoq, H., Dafalla, G., Desbiez, C., Wipf-Scheibel, C., Delécolle, B., Lanina, T., Ullah, Z., and Grumet, R. 2001. Biological and molecular characterization of Moroccan watermelon mosaic virus and a potyvirus isolate from Eastern Sudan. Plant Disease. 85:547-552.

SCOPE

Scope	Detection of MWMV in plant material
Matrix	Zucchini leaves & Melon leaves
Tested species	Zucchini & Melon



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PERFORMANCE CHARACTERISTICS

Analytical specificity <i>(ability of the product/test to distinguish the target organism from other organisms and the degree in which the product/test can distinguish known variants of the organism)</i>	100% Target organism: Zucchini leaves, positive control infected by MWMW. Other organism: Melon leaves infected by MNSV, Zucchini leaves infected by PRSV, WMV-2 and ZYMV. Internal method.
Cross reaction with	No cross reaction known
Analytical sensitivity <i>(limit of detection)</i>	100% (Limit of detection internal reference material: approximately 1/256)
Reproducibility <i>(ability of the kit to provide consistent results when applied to aliquots of the same sample tested under different conditions)</i>	96.67 %
Repeatability <i>(the level of agreement between replicates of a sample tested under the same conditions)</i>	93.33%
Other performance characteristics	NA

REFERENCE MATERIAL

Type of reference material	Zucchini leaves & Melon leaves
Reference material control	DAS-ELISA

OTHER INFORMATION

Any other information considered useful	NA
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