



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

GENERAL INFORMATION

Target Organism(s)	Grapevine Court-Noué disease (CN = ArMV + GFLV)
Method	DAS-ELISA
References	<p>Walter B. 1997. « Control of the fanleaf virus disease of the grapevine : present and future». 5th Regio Meeting, Basel, CH, 20 nov.</p> <p>Walter B., 1997. Sanitary selection of the grapevine : Protocols for the detection of viruses and virus-like diseases. Les Colloques INRA Editions, 86, 225 .</p> <p>Walter B. 1994. « Le court-noué de la vigne » Avantages et limite de la détection par ELISA. Le Progrès Agric.Vitic. 11, 320-328.</p> <p>Van Regenmortel MHV, Dubs M-C, 1993. Serological procedures. In : Matthews REF, ed. Diagnosis of Plant Virus Diseases. London, UK : 159-214.</p> <p>Catalano L. et al., 1990. ELISA for the detection of grapevine fanleaf nepovirus in Xiphinema index., Proc. 10th Meeting ICVG. Volos, Greece, 1991, 243-246.</p> <p>Lazar J. et al., 1990. Detection of some nepoviruses (GFV, GFV-YM, GCMV, ArMV) in the seeds and seedlings of grapevines by ELISA., Kertgazdasag, 22 (4), 58-72.</p> <p>Huss, B. et al., 1986. Diagnostic des virus du COURT-NOUÉ de la vigne et étude d'interactions entre isolats : Utilisation d'anticorps Monoclonaux. PhD 24 novembre 1986. Laboratory of M.H.V. Van Regenmortel.</p> <p>Walter B. et al., 1984. ELISA Détection sérologique des virus du Court-noué de la vigne par le test ELISA., Agronomie, 4, 527-534.</p> <p>Bouquet A., 1983. Détection immunoenzymatique du virus du court-noué de la vigne dans son vecteur Xiphinema index Thorne et Allen., Comptes rendus des séances de l'Académie des Sciences, Paris, S.III, 296, 271-273.</p> <p>Van Regenmortel M. 1982. Serology and Immunochemistry of Plant Viruses., Academic Press, 302.</p> <p>M.H.V. Van Regenmortel et al. Grapevine Fanleaf virus detection in various grapevine organs using polyclonal and monoclonal antibodies. Vitis, 25 178-188.</p>

SCOPE

Scope	Detection of CN in plant material
Matrix	Grapevine
Tested species	Grapevine



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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: wood grapevine, positive control infected by Court-Noué, ArMV and GFLV. Other organism: wood grapevine infected by GLRaV-3, GLRaV-1, GLRaV-2 and GVA. Internal method
Cross reaction with	No cross reaction known
Analytical sensitivity <i>(limit of detection)</i>	100% (Limit of detection internal reference material: approximately 1/64)
Reproducibility <i>(ability of the kit to provide consistent results when applied to aliquots of the same sample tested under different conditions)</i>	98,28 %
Repeatability <i>(the level of agreement between replicates of a sample tested under the same conditions)</i>	98,28 %
Other performance characteristics	NA

REFERENCE MATERIAL

Type of reference material	Grapevine
Reference material control	DAS-ELISA

OTHER INFORMATION

Any other information considered useful	NA
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