



# VALIDATION DATA SHEET



This validation data sheet has been produced following recommendations of the EPDIA Quality Charter.  
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PRODUCT/TEST CODE	GLRaV-2 Full kit (500, 1000 tests) / LR2-XRA 0500; LR2-XRA 1000
Product/test description	ELISA diagnostic kit for GLRaV-2
MANUFACTURER	SEDIAG SAS Technopôle Agro-Environnement Bâtiment B – 2eme étage RD 31 21110 Bretenière France Tél: +33 (0) 3 80 67 49 42 mail: <a href="mailto:info@sediag.fr">info@sediag.fr</a> Web: <a href="https://sediag.fr/">https://sediag.fr/</a>

## GENERAL INFORMATION

Target Organism(s)	Grapevine Leafroll-associated Virus 2 (GLRaV-2)
Method	TAS-MIX-ELISA
References	<p><b>Seddas S., et al 2003.</b> Use of Biosensor Technology (BIACORE) in the production of Monoclonal Antibodies to grapevine Viruses., ICSVG BARI, 2003</p> <p><b>Seddas, A. et al.,2000.</b> A monoclonal antibody reveals that grapevine leafroll associated closteroviruses 1 and 3 are serologically related. <i>Plant pathology</i>, 49, 80-85</p> <p><b>Walter B., 1997.</b> Sanitary selection of the grapevine : Protocols for the detection of viruses and virus-like diseases. Les Colloques INRA Editions, 86, 225 p.</p> <p><b>Walter B. et Martelli GP., 1997.</b> Clonal and sanitary selection of the grapevine. In Walter B., ed. Sanitary Selection of the grapevine. Paris, France-INRA, 43-96.</p> <p><b>Habili N. et al., 1996.</b> Virus types associated with grapevine leafroll disease in Australia., Annual Technical Issue of Australian Grapegrower &amp; Winemaker, 25-28.</p> <p><b>Greif. et al., 1995.</b> The relationship of grapevine leafroll-associated closterovirus 2 with a graft incompatibility condition of grapevines., <i>Phytopath. Medit.</i>, 34, 167-173.</p> <p><b>Van Regenmortel M.H.V. et Dubs MC., 1993.</b> Serological procedures. In Matthews REF, ed. <i>Diagnosis of Plant Virus Diseases</i>. London, UK, 159-214.</p> <p><b>Zimmermann D. et al., 1990a.</b> Characterization and serological detection of four closterovirus particles associated with leafroll disease on grapevine., <i>J. Phytopath.</i>, 130, 205-218.</p> <p><b>Zimmermann D. et al., 1990b.</b> Production and characterization of monoclonal antibodies specific to closterovirus-like particles associated with grapevine leafroll disease., <i>J. Phytopath.</i>, 130, 277-288.</p> <p><b>Zimmermann D. et al., 1988.</b> Purification des particules virales associées à l'enroulement de la vigne et mise au point d'un protocole ELISA permettant leur détection., <i>Agronomie</i>, 8 (8), 731-741.</p> <p><b>Van Regenmortel M., 1982.</b> Serology and Immunochemistry of Plant Viruses., Academic Press, 302.</p>

## SCOPE

Scope	Detection of GLRaV-2 in plant material
Matrix	Grapevine
Tested species	Grapevine

## PERFORMANCE CHARACTERISTICS

<b>Analytical specificity</b> <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: leaf grapevine, wood grapevine, positive control infected by GLRaV-2 Other organism: wood grapevine infected by GLRaV-3, GLRaV-1, ArMV and GVA. Internal method.
<b>Cross reaction with</b>	No cross reaction knowns
<b>Analytical sensitivity</b> <i>(limit of detection)</i>	100% (Limit of detection intern reference material: approximately 1/512)
<b>Reproducibility</b> <i>(ability of the kit to provide consistent results when applied to aliquots of the same sample tested under different conditions)</i>	98.28 %
<b>Repeatability</b> <i>(the level of agreement between replicates of a sample tested under the same conditions)</i>	96.55 %
<b>Other performance characteristics</b>	NA

## REFERENCE MATERIAL

Type of reference material	Grapevine
Reference material control	TAS-MIX-ELISA

## OTHER INFORMATION

Any other information considered useful	NA
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