



# VALIDATION DATA SHEET



This validation data sheet has been produced following recommendations of the EPDIA Quality Charter.  
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PRODUCT/TEST CODE	GVA Full kit (500, 1000 tests) / GA-XRA 0500; GA-XRA 1000
Product/test description	ELISA diagnostic kit for GVA
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 Virus A (GVA)
Method	DAS-ELISA Biotin
References	<p><b>Galiakparov N, Tanne E, Sela I, Gafny R. 2003.</b> Functional analysis of the grapevine virus A genome. <i>Virology</i>, 306(1),42-50.</p> <p><b>Dell'Orco M, Saldarelli P, Minafra A, Boscia D, Gallitelli D. 2002.</b> Epitope mapping of Grapevine virus A capsid protein. <i>Arch Virol.</i>, 147(3), 627-34.</p> <p><b>Saldarelli P, Dell'Orco M, Minafra A. 2000.</b> Infectious cDNA clones of two grapevine viruses. <i>Arch Virol.</i>, 145(2), 397-405.</p> <p><b>Galiakparov N, Tanne E, Sela I, Gafny R. 1999.</b> Infectious RNA transcripts from grapevine virus A cDNA clone. <i>Virus Genes.</i>, 19(3):235-42.</p> <p><b>Minafra A, Saldarelli P, Martelli GP. 1997.</b> Grapevine virus A: nucleotide sequence, genome organization, and relationship in the Trichovirus genus. <i>Arch Virol.</i>, 142(2):417-23.</p> <p><b>Garau R, Prota VA, Piredda R, Boscia D and Prota U. 1994.</b> On the possible relationship between Kober stem grooving and grapevine virus A. <i>Vitis</i>, 33, 161-163.</p> <p><b>Chevalier S, Greif C, Bass P and Walter B. 1993.</b> Investigations on the aetiology of Kober stem grooving. <i>Extended Abstracts XIth ICVG Meeting</i>, Montreux, Switzerland, 49.</p> <p><b>Boscia D, Asloulj E, Elicio V, Savino V, Castellano MA, Martelli GP. 1992.</b> Production, characterization and use of monoclonal antibodies to grapevine virus A. <i>Arch Virol.</i>, 127(1-4), 185-94.</p> <p><b>Walter B, Bass P, Legin R, Martin C, Vernoy R, Collas A and Vesselle G, 1990.</b> The use of a green-grafting technique for the detection of virus-like diseases of grapevine. <i>J. Phytopathology</i>, 128, 137-145.</p> <p><b>Van Regenmortel M. 1982.</b> Serology and Immunochemistry of Plant Viruses., <i>Academic Press</i>, 302.</p>

## SCOPE

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



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## 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: wood grapevine, leaf grapevine, positive control infected by GVA. Other organism: wood grapevine infected by GLRaV-2, GFkV, GLRaV-1+3, ArMV and GFLV. Internal method
<b>Cross reaction with</b>	No cross reaction known
<b>Analytical sensitivity</b> <i>(limit of detection)</i>	100% (Limit of detection internal reference material: approximately 1/4)
<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

<b>Type of reference material</b>	Grapevine
<b>Reference material control</b>	DAS-ELISA

## OTHER INFORMATION

<b>Any other information considered useful</b>	NA
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