

Quelle: www.fotolia.com

HSV Diagnostics

The family of the herpesviridae comprises over 80 different viruses. All Herpes viruses have a common structure and morphogenesis. The Herpes-simplex-viruses (HSV) 1 and 2 as well as the Epstein-Barr-Virus (EBV, HHV4), the Varicella-zoster-Virus (VZV, HHV3), the Cytomegalo-Virus (CMV, HHV5) and the Human Herpes Viruses 6, 7 and 8 belong to the group of the Human Herpes Viruses.

Herpes-simplex-viruses are widespread in the population. They are transmitted by close physical contact via the mucous membranes, so that the infection rate usually starts already in early childhood.

In lip and facial area the HSV 1 outweigh infection while genital infections are mainly caused by HSV 2.

For reliable diagnosis we offer the following ELISAs:

▼ HSV Screen IgG/IgM Testkit	Order No.: EC108.00
▼ HSV 1 (gG1) IgG/IgM Testkit	Order No.: EC130.00
▼ HSV 2 (gG2) IgG/IgM Testkit	Order No.: EC131.00

Highly specific glycoproteins

IgG	Sensitivity	Specificity
HSV Screen	98,7%	97,1%
HSV 1 (gG1)	98%	100%
HSV 2 (gG2)	100%	95%

CSF Diagnostics

CSF Standards:

▼ HSV Screen IgG	Order No.:	EC108L60
▼ HSV 1 (gG1) IgG	Order No.:	EC130L60
▼ HSV 2 (gG2) IgG	Order No.:	EC131L60

Antibody-Index-Control:

▼ HSV Screen IgG	Order No.:	EN108L65
------------------	------------	----------

HSV IgG LINE Immunoblot

The sero-prevalence of antibodies against HSV-1 increases steadily with the age and comes up to a level of >88% in the population of people older 40 years .

The HSV-2 sero-prevalence in this population group is 12,8%. Approximately 81% of the HSV-2 sero-positive group is co-infected with HSV-1. The HSV-2 sero-prevalence is significantly higher for women (15%) than for men (10%).

One of the most serious consequences of genital herpes is neonatal herpes. Without therapy, mortality for untreated infants who develop disseminated infection exceeds 70%. CDC recommends that "... prevention of neonatal herpes should emphasise the prevention of acquisition of genital HSV infection during late pregnancy. Susceptible women whose partners have oral or genital HSV infection, or those whose sex partners' infection status is unknown, should be counselled to avoid unprotected genital and oral sexual contact during late pregnancy (2)."

The glycoproteins gG-1 (gG1) of Herpes simplex Virus 1 (HSV1) and gG-2 of Herpes simplex Virus 2 (HSV2) are the only known HSV proteins, who produce type-specific human antibody responses.

Advantages of the HSV IgG LINE:

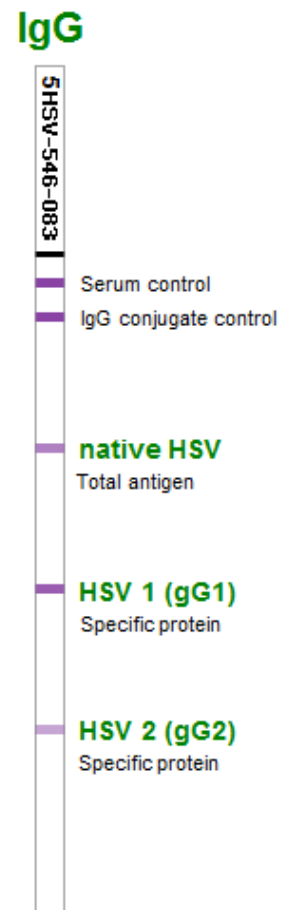
- ▼ Clearly differentiation of HSV 1 (gG1) and HSV 2 (gG2) by the use of highly specific glycoproteins
- ▼ Combination of highly purified and recombinant proteins
- ▼ Easy reading & interpretation, also with the LabImage LA® software

	Diagnostic sensitivity	Diagnostic specificity
HSV 1 (gG1)	94,1%	>99%
HSV 2 (gG2)	92,7%	>99%

Comparison with 52 clinically defined sera

	Sensitivity	Specificity
HSV 1 (gG1)	97,3%	95,2%
HSV 2 (gG2)	95,7%	97,9%

Comparison with a competitive ELISA



Order No.:

**WE130G16
WE130G32**

**16 IgG determinations
32 IgG determinations**

F_WE_EC130/131-03e



VIROTECH Diagnostics GmbH Löwenplatz 5 D-65428 Rüsselsheim

+49 (0)6142 69090 +49 (0)6142 690919

info@virotechdiagnostics.com www.virotechdiagnostics.com

