



## Herpes simplex virus 1 and 2

Your molecular genetic test system for detection and differentiation of HSV-1 and HSV-2 from swab specimens and cerebrospinal fluid.



### Your benefits of using FluoroType<sup>®</sup> HSV

- **Fast results:** The test delivers rapid results within three hours and thereby enables the initiation of immediate therapy measures.
- **Safety:** An Internal Control controls successful DNA extraction; it also serves as inhibition control for the amplification, monitoring a valid test procedure.
- **Differentiation of HSV-1 and HSV-2:** Because of the significantly greater virulence of HSV-2, the determination of virus subtype provides additional prognostic information about the recurrence risk, the frequency of viral shedding and the risk of transmission.
- **User-friendly:** A universal test protocol allows for combination with further parameters of our portfolio. The combination of an automated nucleic acid extraction with subsequent detection with the **FluoroCycler<sup>®</sup>** saves valuable time and enables optimal integration into your lab.
- **CE-marked:** No need for elaborate validation studies.

### Herpes simplex virus

Herpes simplex viruses (HSV) are spread worldwide and until now, genital herpes is one of the most prevalent sexually transmitted diseases in industrialized countries. The prevalence accounts for approximately 70–95% for HSV-1 and 10–20% for HSV-2, but can be considerably higher for risk groups. Primary infection occurs without symptoms in more than 90% of the cases. However, re-activation of the virus in nerve ganglia leads to a clinically manifest HSV recurrence or asymptomatic shedding. Because of the diversity and complexity of disease patterns, clinical diagnosis is difficult. Besides typical blisters around the face, mouth and genitals, both virus types can also cause severe infections of the central nervous system, such as aseptic meningitis or herpes simplex encephalitis in neonates or immunocompromised patients. Since specific therapy options are available for most disease patterns, severe progressive forms and transmission rates can be effectively prevented by early and reliable diagnostics.

### Reliable diagnostics of HSV-1 and HSV-2 with FluoroType® HSV



**FluoroType® HSV** enables fast and reliable molecular diagnostics of HSV. DNA is extracted from clinical swab specimens or cerebrospinal fluid samples with the **GenoXtract®** system and analysed with the **FluoroCycler®**. A universal test protocol allows for combination with further parameters of our portfolio. The results are available within only three hours and differentiate between HSV-1 and HSV-2. In comparison to culture or serology, elaborate and time-consuming steps are eliminated. The test system includes an Internal Control which ensures a valid procedure. Since the detection is carried out independently from the presence of specific antibodies, **FluoroType® HSV** is also applicable for diagnostics of children and neonates. This enables the immediate initiation of an antiviral therapy as well as adequate preventive measures.

**For further information please contact Hain Lifescience or your local distributor!**

## Hain Lifescience GmbH

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