HSV ELVIS® ID/Typing Test System

The enzyme-linked virus-inducible system (ELVIS® HSV ID/Typing Test System) is a sensitive, specific, and rapid alternative to traditional tube culture methods for the identification and typing of Herpes simplex virus (HSV type-1 and type-2). The ELVIS® HSV ID/Typing Test System combines the sensitivity of cell culture amplification with the specificity of HSV-activated reporter genes and antigen detection via HSV-1 and HSV-2 type-specific monoclonal antibodies. The overall sensitivity and specificity are 99% and 98.3% respectively. ELVIS technology can detect a single infected cell at 18 to 24 h post-infection. As with all laboratory tests, results should be correlated with patient clinical information.

**HSV Detection:** Monolayer of engineered cells containing the beta-galactosidase gene. When HSV from a patient's swab infects the ELVIS cells, this enzyme is switched "on" and causes the cells to turn blue. HSV-infected blue cells are seen surrounded by uninfected clear cells.

**HSV Typing:** Infected ELVIS monolayer cell labeled with HSV type-specific fluorescein-labeled monoclonal antibody.