Herpes simplex Virus

Sensitivity of a 10-day cell culture in less than 1 day

- For rapid identification and typing of Herpes Simplex Virus.

- Overnight HSV detection system for culture confirmation of positive OR negative HSV-1 and HSV-2 infections.

- No fluorescence required for non-typing assay.

- Typing can be done in a single vial through sequential staining applications.

- Uses patented engineered BHK cells which produce a detectable enzyme when infected and ONLY when infected with Herpes simplex.

ELVIS® – Enzyme Linked Virus Inducible System
ELVIS HSV
Genetically Engineered BHK Cells
55-0101  ELVIS Shell Vial (no coverslip)  55-2424  ELVIS Multi-Well Plate (24 well/6 fill)
55-0102  ELVIS Shell Vial (with coverslip)  10-220100  ELVIS Replacement Medium (100 mL)
55-2406  ELVIS Multi-Well Plate (24 well/6 fill)  10-220500  ELVIS Replacement Medium (500 mL)
55-2412  ELVIS Multi-Well Plate (24 well/12 fill)  20-4810020  HSV-1 Virus Control Stock (Single Use, 400 µL) (shipped frozen)
55-2418  ELVIS Multi-Well Plate (24 well/18 fill)  20-4820020  HSV-2 Virus Control Stock (Single Use, 400 µL) (shipped frozen)

ELVIS ID Test System (100 Tests) – Cat. #SK-ELVIS-100
ELVIS ID Test System (200 Tests) – Cat. #SK-ELVIS-200
ELVIS ID Test System (500 Tests) – Cat. #SK-ELVIS-500
ELVIS ID Test System (1000 Tests) – Cat. #SK-ELVIS-1000
ELVIS HSV ID and D³ Typing Test System (60 Tests) – Cat. #SKT-ELVIS-60.V2
ELVIS HSV ID and D³ Typing Test System (300 Tests) – Cat. #SKT-ELVIS-300.V2

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**Step 1 – Clinical specimen**
- Pre-incubate ELVIS cell culture 2 to 16 hours, 35°C to 37°C
- Process specimen
- Remove culture maintenance medium from cell culture
- Add replacement media to the cell culture
- Inoculate cells with prepared specimen material

**Step 2 – Virus amplification**
- Centrifuge at 700 xg, 1 hour
- Incubate culture at 35°C to 37°C for 17 to 24 hours

**Step 3 – Color development**
- Remove the Replacement Medium from the culture
- Add Solution 1 to fix the cell monolayers (1 to 10 minutes)
- Remove the Solution 1 cell fixative
- Immediately add Solution 2 and incubate 35°C to 37°C, 1 hour

**Step 4 – Examination for result**
- Are blue cells present?
  - Yes: Specimen positive for HSV
    - Proceed to typing if required
  - No: Specimen negative for HSV
- Are fluorescent cells present?
  - Yes: Specimen positive for HSV Type 2
  - No: Proceed to typing if required
- Remo

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**ELVIS cells infected with HSV demonstrated using light microscopy**

**ELVIS screening Positive**

**ELVIS HSV-1**

**ELVIS HSV-2**