## HERPES SIMPLEX VIRUS (HSV) TYPE 1, PCR, QUALITATIVE

(Real Time PCR)

### Type of Specimen

HSV-1 DNA

### Interpretation

<table>
<thead>
<tr>
<th>RESULT</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive</td>
<td>Sample provided contains HSV-1 DNA</td>
</tr>
<tr>
<td>Indeterminate</td>
<td>Presence of inhibitors in the sample</td>
</tr>
<tr>
<td>Negative</td>
<td>Sample provided does not contain HSV-1 DNA or number of viral DNA copies are below the detection limit of the assay</td>
</tr>
</tbody>
</table>

**Note:**
1. All Indeterminate results should be retested
2. The detection limit of the assay is 2-10 genome equivalents per PCR reaction
3. Contaminated samples may be falsely positive
4. This is an in house developed assay

### Comments

Herpes simplex virus (HSV) Type 1 belongs to the family Herpesviridae. HSV infections occur worldwide with no seasonal distribution. The prevalence of HSV-1 infection increases gradually from childhood, reaching 80% or more in later years. A large percentage of individuals seropositive for HSV-1 are unaware of the infection, thereby comprising an important reservoir of infection. HSV-1 infections are characterized by oral lesions like gingivostomatitis & pharyngitis. Proportion of primary genital infections due to HSV-1 is increasing the world over due to changing sexual practices including increased oral genital exposure.

### Uses

Early diagnosis of HSV-1 infections helps in timely anti-viral therapy which can prevent life threatening complications especially in immunocompromised individuals.