



**CITY AND COUNTY OF SAN FRANCISCO  
PUBLIC HEALTH LABORATORY**  
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## Test Order

Synonym(s)	Herpes simplex virus types 1 and 2 (HSV-1 and HSV-2)
Methodology	The Aptima HSV 1 & 2 assay is a NAAT developed for use on the automated Panther system that utilizes target capture, transcription mediated amplification (TMA), and real-time detection of HSV-1, HSV-2, and an internal control (IC).
Acceptable Specimen Type(s) for Testing	Anogenital clinician collected specimens (FDA approved) and clinician collected throat swabs, lesion/rashes and oral swabs (validated by San Francisco Public Health Laboratory (SFPHL). For urethral specimens VTM should be used. See transfer instructions below.
Transport / Collection Medium	Aptima Multitest Swab Specimen Collection Kit (STM) <a href="https://www.hologic.com/hologic-products/diagnostic-solutions/aptima-multitest-swab-specimen-collection-kit">https://www.hologic.com/hologic-products/diagnostic-solutions/aptima-multitest-swab-specimen-collection-kit</a> or Viral Transport Media (VTM) can be used. VTM specimens need to be immediately transferred into the STM kit. See transfer instructions below.
Storage and Preservation of Specimen	<p>Transport and store the specimen in the Aptima Multitest Swab Transport Media (STM) at 2°C to 30°C until tested. Specimens must be tested with the Aptima HSV 1 &amp; 2 assay within 36 days of collection. Specimens stored at -20°C to -70°C for up to 36 days may also be tested with the Aptima HSV 1 &amp; 2 assay. Aptima swab specimens may be frozen and thawed up to 3 times prior to testing.</p> <p>For specimens collected in VTM, immediately vortex VTM specimens for 3 to 10 seconds. Let the specimen sit for 1 minute. Then pipette 0.5 mL of the VTM liquid into the Aptima Specimen Transfer Tube. Gently invert the tube 2 to 3 times to ensure complete mixture of the specimen.</p>
Minimum Volume Required	
Additional Collection Instructions	
Additional Required Information	
Send Out?	No
Turnaround Time	2 business days from receipt
Testing Restrictions	
Requisition Form(s)	<a href="https://www.sfgdcp.org/wp-content/uploads/2021/11/DPH-Lab-General-Lab-Requisition-Fillable-SFDPH-FINAL-11.23.2021.pdf">https://www.sfgdcp.org/wp-content/uploads/2021/11/DPH-Lab-General-Lab-Requisition-Fillable-SFDPH-FINAL-11.23.2021.pdf</a>
Limitations / Notes / Disclaimers	The non-anogenital specimens have been validated on the Aptima Panther Hologic system using the FDA approved HSV 1/2 assay by the San Francisco Public Health Laboratory. Non-anogenital sources have not been cleared or approved by the U.S. Food and Drug Administration.