

TriCore Reference Laboratories will be changing the way we assay for Herpes Simplex virus in our Infectious Disease department. **Effective 8/2/2016** TriCore will offer a PCR-based test for HSV 1 & HSV 2 in lesions: Herpes Lesion PCR (**HLPCR**). HLPCR will be available for cutaneous and mucocutaneous samples previously referred to an outside lab (HSVPCR) as well as previously ordered HSVFA and CHSV samples. After 9/6/2016 the fluorescent antibody test for HSV in lesions (HSVFA) will no longer be available, the HLPCR should be ordered in its place.

Advantages of this new FDA approved assay:

- Decreased turnaround time up to 7 days over send out testing and culture
- Included typing (HSV 1 or HSV 2) in results and will not be an additional order
- Increased sensitivity from HSVFA (30-80%) to **HLPCR (80-98%)¹**
- **No change** in sample collection procedures.
- **No effect** on ordering of CSF samples or HSV serology.
- **No impact** on HSVPCR and CHSV. These tests will still be available to order for specific sample types.

TRICORE HSV TESTING OPTIONS

Source	Test Code	Turnaround Time	HSV Typing	Methodology	Notes
Lesions (Cutaneous or mucocutaneous)	HLPCR Herpes Lesion PCR	Result within 24 hours	Includes HSV type identification	Polymerase Chain Reaction (PCR)	Sensitivity 80-98% depending on clinical stage of lesions ²
Tissue, Swab other than lesion (i.e. eye, umbilicus)	CHSV HSV (Herpes Simplex Virus) by Culture	Result within 72 hours	HSV type identification is not included in this test.	Cell culture and staining	If HSV type identification is required, call ID or Client Engagement
CSF	HSVAMP HSV (Herpes Simplex Virus) by PCR, CSF	Result available STAT	Includes HSV type identification	Polymerase Chain Reaction (PCR)	CSF is not an acceptable source for HSV culture
Whole blood, amniotic fluid, vitreous fluid, BAL fluid, endocervical specimen.	HSVPCR HSV (Herpes Simplex Virus) by PCR	Performed at ARUP Laboratories Resulted within 6-8 days	HSV type identification is not included in this test	Polymerase Chain Reaction (PCR)	Blood testing performed on separated serum or plasma

Please consult our Test Directory (www.tricore.org) for complete sample collection and transportation guidelines. Please contact your sales account executive for pricing information. Technical questions may be directed to TriCore Infectious Disease at (505) 938-8850.

References

¹ Moseley RC, Corey L, Benjamin D, Winter C, and Remington ML. 1981 Comparison of Viral Isolation, Direct Immunofluorescence and Indirect Immunoperoxidase Techniques for Detection of Genital Herpes Simplex Virus Infection. J. Clin. Micro. 13:913-918

² Luminex Corporation, Austin TX USA. October 2015 89-30000-00-483 Rev. A 50-10017.