

CLART[®] ENTHERPEX

Detection of Human Herpesvirus
and Enterovirus

VIRUSES DETECTED :

Herpes Simplex Virus 1 (HSV1)
Herpes Simplex Virus 2 (HSV2)
Varicella Zoster Virus (VZV)
Epstein-Barr Virus (EBV)
Cytomegalovirus (CMV)
Human Herpes Virus 6 (HHV6)
Human Herpes Virus 7 (HHV7)
Human Herpes Virus 8 (HHV8)
Enterovirus (Coxsackievirus, Poliovirus and Enterovirus)

MAIN ADVANTAGES OF MULTIPLEX DETECTION :

- ▶ Simultaneous detection of those viruses causing a wide spectrum of diseases and infections.
- ▶ Single infections and co-infections can be detected.
- ▶ Best way to detect specific Enterovirus causing diseases, differentiating them from those sharing clinical and epidemiological characteristics.
- ▶ Reduced sample volume consumption obtaining the most accurate information.

FEATURES :

- The kit is validated for automatic and manual DNA/ RNA extraction of CSF, Serum, Plasma, Swabs and FFPE samples.
- High sensitivity and specificity.
- Two quality controls included per sample:
 - **Amplification control:** avoids false negative results.
 - **Biotin markers:** check the proper performance of the visualization reagents provided with the kit.
- Each virus is detected in quadruplicate avoiding unspecific bindings.

- Results are obtained within a working day.
- Compatible with any GENOMICA automation system.

DATA MANAGEMENT :

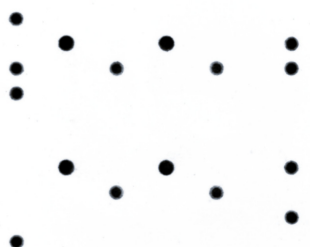
- Automatic reading and interpretation of results (CAR[®]).
- User friendly report format (html, bmp).
- Samples are analyzed individually and three complementary reports are generated.
- Every report generated can be stored, exported and printed.



REPORTING RESULTS :



► Report and image obtained by CAR® reader.



A5

Result view CLART® ENTHERPEX		AT code: 50516 Rev. 16sc.3
Sample reference:	3	
Array ID:	000000050516 (C1)	
Analysis type:	tmb end point detection	
Date and time:	Fri Jan 14 15:25:36 2011	

Virus		
Virus	Result	Controls
Herpes Simplex Virus 1	Negative	Passed
Herpes Simplex Virus 2	Negative	Passed
Varicella Zoster Virus	Negative	Passed
Epstein-Barr Virus	Negative	Passed

ORDERING REFERENCES AND CONTACT DETAILS :

CLART® ENTHERPEX Extraction

48 tests: AT-0908-48

CLART® ENTHERPEX Amplification

48 tests: AT-1008-48-MT

CLART® ENTHERPEX Visualization

48 tests: CS-1108-48

■ Parque Empresarial Alvento. Edificio B.
Vía de los Poblados, 1. 1ª Planta.
28033 Madrid (Spain).

■ Tel.: +34 91 674 89 90

■ Fax: +34 91 674 89 91

■ info.genomica@genomica.com

BIBLIOGRAPHY :

1. "L'HHV7: co-facteur des infections méningées à entérovirus?". Poster presented at RICAI, December 2009.
2. "Evaluation of a new commercial PCR-DNA microarray for rapid and simultaneous detection of 9 viruses responsible for central nervous system infections". Poster presented at RICAI, December 2009.
3. "Combining Multiplex Reverse Transcription-PCR and a Diagnostic Microarray to Detect and Differentiate Enterovirus 71 and Coxsackievirus A16". Journal of Clinical Microbiology, 44(6), 2212-2219 (2006).
4. "DNA microarrays for virus detection in cases of central nervous system infection". Journal of Clinical Microbiology, 42(12), 5811-5818 (2004).
5. "Rapid Virological Diagnosis of Central Nervous System Infections by Use of a Multiplex Reverse Transcription-PCR DNA Microarray". Journal of Clinical Microbiology, Nov. 2011, p. 3874-3879 Vol. 49, No. 11.
6. "Human Herpesvirus-6A/B Binds to Spermatozoa Acrosome and Is the Most Prevalent Herpesvirus in Semen from Sperm Donors". PLOS ONE. November 2012, Vol. 7, Issue 11, e48810.