

# 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 :

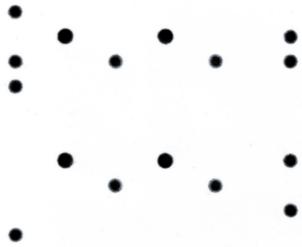
- Automatic reading and interpretation of results (CAR®).
- User friendly report format (html, bmp).
- Samples are analyzed individually and three complementary reports are generated.
- Every report generated can be stored, exported and printed.



## REPORTING RESULTS :



► Report and image obtained by CAR® reader.



**A5**

Result view		AT code: 50516
CLART® ENTHERPEX		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
Herpex Simplex Virus 1	Negative	Passed
Herpex Simplex Virus 2	Negative	Passed
Varizella 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

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## 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.

- CLART® ENTHERPEX: Essential features of CLART® ENTHERPEX are protected by Patent Family of International PCT Patent application WO2009122201.
- CLART® ENTHERPEX kit, accomplish with all the normatives described in EU 98/79/CE for IVD.
- CMV detection has been assented by the NB 0318.

