



# CLART<sup>®</sup> 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 the 8 most clinically important human herpesviruses and 3 viruses of the Enterovirus family in humans.
- ⦿ 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.
- ⦿ Each virus is detected in quadruplicate.
- ⦿ Results are obtained within a working day.
- ⦿ Compatible with any GENOMICA automation system (ACT<sup>®</sup>, ACP<sup>®</sup>).
- ⦿ Two quality controls included per sample:
  - **Amplification control:** allows detection of inhibition of the PCR reaction.
  - **Biotin markers:** validate the proper performance of the visualization process.

## DATA MANAGEMENT:

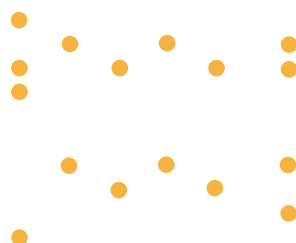
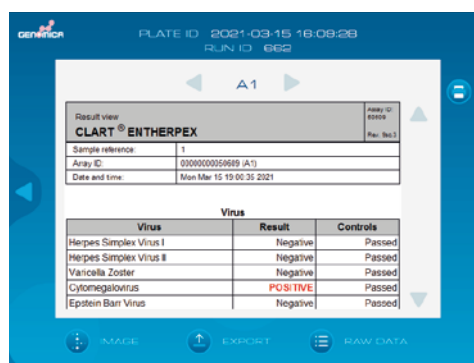
- ⦿ Automatic reading and interpretation of results (CAR<sup>®</sup>, ACP<sup>®</sup>).
- ⦿ User friendly report format (html, bmp).
- ⦿ Samples are analyzed individually and three complementary reports are generated.
- ⦿ Printable, exportable and storable reports.



## REPORTING RESULTS:



Report and image obtained by CAR® reader.

Virus		
Virus	Result	Controls
Herpes Simplex Virus I	Negative	Passed
Herpes Simplex Virus II	Negative	Passed
Varicella Zoster	Negative	Passed
Cytomegalovirus	<b>POSITIVE</b>	Passed
Epstein Barr Virus	Negative	Passed

## ORDERING REFERENCES:

IVD product for the detection of Human Herpesvirus and Enterovirus:

### 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

## 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.

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CE  
0318

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