



CLART[®] PneumoVir

Detection of respiratory viruses

VIRUSES DETECTED :

Adenovirus	Bocavirus
Metapneumovirus A	Coronavirus 229E
Metapneumovirus B	Enterovirus
Parainfluenza 1	Influenza A, subtyping: Seasonal H1N1 Seasonal H3N2 New H1N1
Parainfluenza 2	
Parainfluenza 3	
Parainfluenza 4 subtyping: Parainfluenza 4 A Parainfluenza 4 B	
Rhinovirus	
RSV A	Influenza B
RSV B	Influenza C

MAIN ADVANTAGES OF RESPIRATORY VIRUS DETECTION :

- ▶ Co-infections of several types and subtypes can be detected in the same assay.
- ▶ Avoids unnecessary treatments and long hospitalizations.
- ▶ Allows virus prevalence studies.

FEATURES :

- Types an Influenza complete panel including: seasonal Influenza A H1N1 and H3N2, generic Influenza A and New Influenza A H1N1.
- The kit is validated for both, automatic and manual DNA/RNA extraction, of BAL, Nasopharyngeal washes and Nasopharyngeal swabs.
- 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.

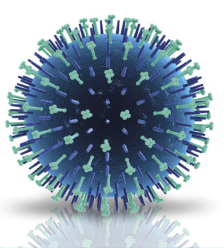
- Each virus type is detected in triplicate avoiding unspecific bindings.
- Results are obtained within a working day.
- Compatible with any GENOMICA automation system.

DATA MANAGEMENT :

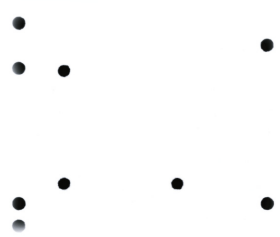
- Automatic reading and interpretation of results (CAR[®]).
- User-friendly report format (html, bmp).
- Samples are processed individually and three complementary reports are generated.
- Every report generated can be stored, exported and printed.



REPORTING RESULTS :



► Report and image obtained by CAR® reader.



A2

Result view		AT code: 50516
CLART® PneumoVir		
Sample reference:	3	Rev. 16a.3
Array ID:	00000050516 (C1)	
Analysis type:	tmb end point detection	
Date and time:	Fri Jan 14 15:25:36 2011	

Virus

Virus	Result	Controls
Adenovirus	Negative	Passed
Bocavirus (HBoV)	Negative	Passed
Coronavirus Type 229	Negative	Passed
Enterovirus	Negative	Passed

ORDERING REFERENCES AND CONTACT DETAILS :

CLART® PneumoVir Extraction

48 tests: AT-0507-48

CLART® PneumoVir Amplification

48 tests: AT-0607-48-MT

CLART® PneumoVir Visualization

48 tests: CS-0408-48

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3. "Myocarditis Caused by Human Parainfluenza Virus in an Immunocompetent Child Initially Associated with 2009 Influenza A (H1N1) Virus". Journal of Clinical Microbiology, May 2011, p. 2072–2073
4. "Respiratory viruses in Children Admitted to Hospital Intensive Care Units: Evaluating the CLART® PneumoVir DNA Array". Journal of Medical Virology 83: 150-155 (2011).
5. "Evaluation of viral co-infections in hospitalized and non-hospitalized children with respiratory infections using microarrays". Clin Microbiol Infect, 10.1111/1469-0691.12015.
6. "Co-infección viral respiratoria en niños hospitalizados por infección respiratoria aguda y su impacto en la gravedad clínica". Rev Chil Infect 2012; 29 (2): 169-174.
7. "Broad Respiratory Virus Detection in Infants Hospitalized for Bronchiolitis by Use of a Multiplex RT-PCR DNA Microarray System". Journal of Medical Virology 84:979–985 (2012)