



CLART[®] PneumoVir 2

Detection of respiratory viruses

VIRUSES DETECTED :

Adenovirus	Bocavirus
Metapneumovirus A	Coronavirus 229E
Metapneumovirus B	Coronavirus OC43 *
Parainfluenza 1	Coronavirus NL63 *
Parainfluenza 2	Enterovirus
Parainfluenza 3	Influenza A, subtyping:
Parainfluenza 4 subtyping: Parainfluenza 4 A Parainfluenza 4 B	H7N9 * H3N2 H1N1 H1N1/2009
Rhinovirus	
RSV A	Influenza B
RSV B	Influenza C

* Amplification only available in Pneumovir 2 Amplification B.

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, new Influenza A H1N1 and Influenza A H7N9.
- 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.

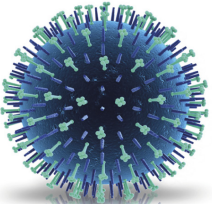
DATA MANAGEMENT :

Automatic reading and interpretation of results (CAR[®]).

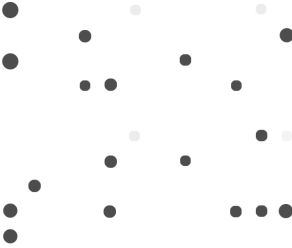
- User-friendly report format (html, bmp).
- Samples are processed individually and three complementary reports are generated.
- Printable, exportable and storable reports.



REPORTING RESULTS :



▶ Report and image obtained by CAR® reader.



A1

Result view		Assay ID: s2501
CLART® PneumoVir2		
Sample reference:	400_D2	Rev: 01sc1
Array ID:	0000000052501 (B1)	
Date and time:	Mon Apr 04 17:58:53 2016	

Virus		
Virus	Result	Controls
Adenovirus	Negative	Passed
Bocavirus (HBoV)	POSITIVE	Passed
Coronavirus (HCoV)	Negative	Passed
Enterovirus	POSITIVE	Passed
Influenza A	Negative	Passed

ORDERING REFERENCES AND CONTACT DETAILS :

- CLART® PneumoVir 2 Amplification A

2 amplification tubes - 48 tests: CS-0416-48
- CLART® PneumoVir 2 Amplification B

3 amplification tubes - 48 tests: CS-0516-48
- CLART® PneumoVir 2 Visualization

48 tests: CS-0616-48

- 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. Sha J1, Chen X2, Ren Y3, Chen H4, Wu Z5, Ying D6, Zhang Z7, Liu S8. Differences in the epidemiology and virology of mild, severe and fatal human infections with avian influenza A (H7N9) virus. Arch Virol. 2016 Feb 18. [Epub ahead of print]
2. Gerna G1, Campanini G, Rovida F, Percivalle E, Sarasini A, Marchi A, Baldanti F. Genetic variability of human coronavirus OC43-, 229E-, and NL63-like strains and their association with lower respiratory tract infections of hospitalized infants and immunocompromised patients. J Med Virol. 2006 Jul;78(7):938-49.
3. Heyman PVV, Carper HT, Murphy DD, Platss-Mills TA, Patrie J, McLaughlin AP. Viral infections in relation to age, atopy, and season of admission among children hospitalized for wheezing. J Allergy Clin Immunol. 2004;114: 239-47.
4. Spicuzza L, Spicuzza A, La Rosa M, Polosa R, Di Maria G. New and emerging infectious diseases. Allergy Asthma Proc. 2007; 28 (1):28-34.
5. Boschini A, Longo B, Caselli F, Begnini M, De Maria C, Ansaldi F, Durando P, Icardi G, Rezza G. An outbreak of influenza in a residential drug-rehabilitation community. J med Virol. 2006. 78 (9): 1218-22.

▶ CLART® PneumoVir: Essential features of CLART® PneumoVir are protected by Patent Families of International PCT Patent application WO2009144497.

▶ CLART® PneumoVir kit, accomplish with all the normatives described in EU 98/79/CE for IVD.

