



CLART® STDs

Detection of microorganisms causing urogenital infections.

MICROORGANISMS DETECTED:

BACTERIA

- ⊙ *Chlamydia trachomatis**
- ⊙ *Neisseria gonorrhoeae**
- ⊙ *Mycoplasma genitalium**
- ⊙ *Mycoplasma hominis*
- ⊙ *Ureaplasma parvum*
- ⊙ *Ureaplasma urealiticum*
- ⊙ *Treponema pallidum*

FUNGI

- ⊙ *Candida albicans*
- ⊙ *Candida glabrata*
- ⊙ *Candida krusei*
- ⊙ *Candida parapsilosis*
- ⊙ *Candida tropicalis*

VIRUSES

- ⊙ HSV1
- ⊙ HSV2

PARASITE

- ⊙ *Trichomonas vaginalis**

* Microorganisms analyzed with CLART® STDs Mix 1

MAIN ADVANTAGES OF MOLECULAR DETECTION OF MICROORGANISMS CAUSING STI:

Molecular diagnostic techniques provide greater sensitivity and standardize the multiple methodologies used so far for the detection of those microorganisms causing tract infections.

Moreover, molecular diagnostics techniques reduce the drawbacks and limitations of conventional detection methods as:

- ⊙ Low sensitivity shown by cultures.
- ⊙ Antibody titer variations due to antiviral treatment.

FEATURES:

- ⊙ CLART® STDs has been validated for automatic DNA extraction from urine samples and swabs (vaginal, cervical, endocervical, urethral and rectal).
- ⊙ High sensitivity and specificity.
- ⊙ Each target is detected in triplicate.
- ⊙ Results are obtained within 6 hours.
- ⊙ Compatible with any GENOMICA automation system (CAR®, ACP®).
- ⊙ Three quality controls included per sample:
 - **Genomic DNA control:** validates the proper performance of the extraction process.
 - **Amplification control:** allows detection of inhibition of the PCR reaction.
 - **Biotin markers:** validate the proper performance of the visualization process.



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DATA MANAGEMENT:

- ⊙ Automatic reading and interpretation of results (CAR®, ACP®).
- ⊙ 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® & autoclart®

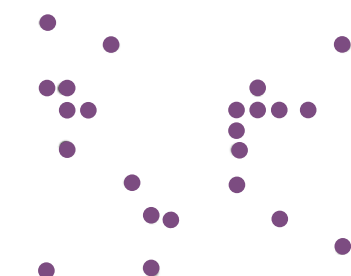


PLATE ID: 2021-08-11 17:27:02
RUN ID: 799

Result view: A1

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Sample reference:	1	Array ID:	000000051537 (A1)
Array ID:	000000051537 (A1)	Date and time:	Wed Aug 11 11:27:28 2021

Microorganism	Result	Controls
Candida albicans	POSITIVE	Passed
Candida glabrata	Negative	Passed
Candida krusei	Negative	Passed
Candida parapsilosis	Negative	Passed
Candida tropicalis	Negative	Passed

Buttons: IMAGE, EXPORT, RAW DATA

ORDERING REFERENCES

IVD product for the detection of microorganisms causing urogenital infections:

CLART® STDs AMPLIFICATION MIX 1

- ⊙ 48 tests: CS-0417-48

CLART® STDs AMPLIFICATION MIX 1, 2 Y 3

- ⊙ 48 tests: CS-0517-48

CLART® STDs VISUALIZATION

- ⊙ 48 tests: CS-0717-48

BIBLIOGRAFY

1. Gardnerella, Trichomonas vaginalis, Gandida, Chlamydia trachomatls, Mycoplasma hominis and Ureaplasma urealyticum in the genital discharge of symptomatic fertile and asymptomatic infertile women". New Microbiologica, 33, 69-76, 2010.
2. "Global strategy for the prevention and control of sexually transmitted infections: 2006 -2015: breaking the chain of transmission". WHO.
3. "Sexually Transmitted Diseases in the United States, 2008 National Surveillance Data for Chlamydia, Gonorrhea, and Syphilis". CDC.
4. "Persistent increase In the incidence of acute male urethritis diagnosed in general practices in France". British Journal of General Practice 2006, 56, 110-114.
5. "Mycop lasma genitalium presence, resistance and epidemiology ín Greenland". Int J. Circumpolar Health 2012, 71, 18203.

CLART® STDs for detection of microorganisms that cause infections of the urogenital tract fulfils the European Directive 98 /79/EC for IVD products.

CLART® STDs: The analysis of Chlamydia trachomatis has been assented by the NB0318.

CLARTSTSENG001
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