

# SEXUALLY TRANSMITTED DISEASES

Sexually transmitted diseases (STDs) are infections that are spread by sexual activity, especially vaginal intercourse, anal sex and oral sex. There are more than 20 types of STDs, and with Ecoli Dx, you can easily cover the important majority of them.

## PRODUCT ADVANTAGES

### HIGH INSTRUMENT FLEXIBILITY

- High flexibility and compatibility with wide range of real-time PCR instruments e.g. Ecoli eQuantia 48, Bio-Rad CFX96 Touch, Qiagen Rotor-Gene Q, Agilent Mx3000P, ABI QuantStudio
- Most kits suitable also for 2-channel (single parameter kits) or 4-channel (multiplex kits) PCR cyclers

### UNIVERSAL ASSAY WORKFLOW

- Universal PCR profiles allowing full use of the capacity of laboratory instruments
- Interchangeable internal controls within different kits
- Identical pipetting protocols and DNA sample amount\*

### RELIABLE RESULTS

- Internal controls to monitor test stages (DNA extraction and amplification)

### ELIMINATION OF POSSIBLE CONTAMINATION

- All kits contain Uracil-DNA glycosylase (UDG) and dUTPs eliminating possible contamination with amplification products

### RECOMMENDED EXTRACTION KITS

- DNA-sorb-AM, cat.n. K1-12-100-CE (for manual extraction)
- E2007 ePure STD Extraction Kit (for automated extraction on ePure device)

\*valid only within the same format of the kits (reagents in stock tubes / ready-to-use PCR tubes)

## Chlamydia trachomatis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B1-F (RG,iQ)-CE	AmpliSens® <i>Chlamydia trachomatis</i> -FRT			110		qualitative	12 months			
R-B1(RG)-CE	AmpliSens® <i>Chlamydia trachomatis</i> -FRT (aliquoted in 0,2ml tubes)			110		qualitative	12 months			

### Sample type:

- urogenital, rectal, and oropharyngeal swabs; conjunctival discharge; urine (a sediment of the first portion of the morning specimen), prostate gland secretion)

### Analytical sensitivity:

- $5 \times 10^2$  GE/ml for urogenital swabs in transport medium
- $1 \times 10^3$  GE/ml for urine

## Neisseria gonorrhoeae

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B51-F (RG,iQ)-CE	AmpliSens® <i>Neisseria gonorrhoeae</i> -screen-FRT			110		qualitative	9 months			
R-B51(RG)-CE	AmpliSens® <i>Neisseria gonorrhoeae</i> -screen-FRT (aliquoted in 0,2ml tubes)			110		qualitative	9 months			

### Sample type:

- urogenital, rectal, and oropharyngeal swabs; conjunctival discharge; prostate gland secretion and urine samples

### Analytical sensitivity:

- $5 \times 10^2$  GE/ml for urogenital swabs in transport medium
- $1 \times 10^3$  GE/ml for urine

## Treponema pallidum

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B20-F (RG,iQ)-CE	AmpliSens® <i>Treponema pallidum</i> -FRT			110		qualitative	9 months			

### Sample type:

- urogenital, rectal, and oral swabs; blister exudate; and discharge of erosive-ulcer lesions of human skin and mucous membranes

### Analytical sensitivity:

- $1 \times 10^3$  GE/ml for urogenital swabs in transport medium

## Trichomonas vaginalis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B6-F (RG,iQ)-CE	AmpliSens® <i>Trichomonas vaginalis</i> -FRT			110		qualitative	9 months			

### Sample type:

- urogenital swabs, urine samples, and prostate gland secretion

### Analytical sensitivity:

- $5 \times 10^2$  GE/ml for urogenital swabs in transport medium
- $1 \times 10^3$  GE/ml for urine

## Mycoplasma genitalium

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B4-F(RG,iQ)-CE	AmpliSens® <i>Mycoplasma genitalium</i> -FRT			110		qualitative	9 months			
R-B4(RG)-CE	AmpliSens® <i>Mycoplasma genitalium</i> -FRT (aliquoted in 0,2ml tubes)			110		qualitative	9 months			

### Sample type:

- urogenital swabs, urine, and prostate gland secretion

### Analytical sensitivity:

- $1 \times 10^3$  GE/ml for urogenital swabs in transport medium
- $2 \times 10^3$  GE/ml for urine

## Mycoplasma hominis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B3-F(RG,iQ)-CE	AmpliSens® <i>Mycoplasma hominis</i> -FRT			110		qualitative	9 months			
R-B3(RG)-CE	AmpliSens® <i>Mycoplasma hominis</i> -FRT (aliquoted in 0,2ml tubes)			110		qualitative	9 months			

### Sample type:

- urogenital swabs, urine, and prostate gland secretion

### Analytical sensitivity:

- $1 \times 10^3$  GE/ml for urogenital swabs in transport medium
- $2 \times 10^3$  GE/ml for urine

## Gardnerella vaginalis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B7-F(RG,iQ)-CE	AmpliSens® <i>Gardnerella vaginalis</i> -FRT			110		qualitative	9 months			

### Sample type:

- vaginal swabs

### Analytical sensitivity:

- $1 \times 10^4$  GE/ml for urogenital swabs

## Candida albicans

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-F1-F(RG,iQ)-CE	AmpliSens® <i>Candida albicans</i> -FRT			110		qualitative	9 months			

### Sample type:

- urogenital and pharyngeal swabs; urine samples

### Analytical sensitivity:

- $1 \times 10^3$  GE/ml for urogenital swabs in transport medium
- $2 \times 10^3$  GE/ml for urine

# MULTIPLEX PCR DETECTION KITS

## Ureaplasma species

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B2-F(RG,iQ)-CE	AmpliSens® <i>Ureaplasma</i> spp.-FRT	🕒	🧴	110	CE IVD	qualitative	9 months	❄️	G Y	✅
R-B2-100-FT (RG,iQ,Mx)-CE	AmpliSens® <i>Ureaplasma</i> spp.-screen-titre-FRT PCR kit	🕒	🧴	110	CE IVD	quantitative	9 months	❄️	G Y	✅
R-B19-F(RG,iQ)-CE	AmpliSens® <i>U. parvum/U. urealyticum</i> -FRT	🕒	🧴	110	CE IVD	qualitative + differentiation	9 months	❄️	G Y O	✅
R-B19(RG)-CE	AmpliSens® <i>U. parvum/U. urealyticum</i> -FRT (aliquoted in 0,2ml tubes)	🕒	🧴🧴	110	CE IVD	qualitative + differentiation	9 months	❄️	G Y O	⚠️

### AmpliSens® *Ureaplasma* spp.-FRT

#### Sample type:

- urogenital swabs, urine, and prostate gland secretion

#### Analytical sensitivity:

- 1x10<sup>3</sup> GE/ml for urogenital swabs in transport medium
- 2x10<sup>3</sup> GE/ml for urine

### AmpliSens® *Ureaplasma* spp.- screen-titre-FRT

#### Sample type:

- urogenital swabs taken from cervix, vagina, or urethra, urine samples

#### Analytical sensitivity:

- 1x10<sup>3</sup> GE/ml for urogenital swabs in transport medium
- 2x10<sup>3</sup> GE/ml for urine

#### Linear range:

- 10<sup>3</sup> – 10<sup>7</sup> GE/ml

### AmpliSens® *U. parvum/U. urealyticum*-FRT

#### Sample type:

- urogenital, rectal, and oropharyngeal swabs; conjunctival discharge; urine samples, prostate gland secretion

#### Analytical sensitivity:

- *Ureaplasma parvum*:
  - 1x10<sup>3</sup> GE/ml for urogenital swabs
  - 5x10<sup>3</sup> GE/ml for urine
- *Ureaplasma urealyticum*:
  - 1x10<sup>3</sup> GE/ml for urogenital swabs
  - 5x10<sup>3</sup> GE/ml for urine

## *Chlamydia trachomatis/Ureaplasma/Mycoplasma genitalium/Mycoplasma hominis*

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B60-F(RG)-CE	AmpliSens® <i>C. trachomatis/Ureaplasma/M. genitalium/M. hominis</i> -Multiprime-FRT	🕒	🧴	110	CE IVD	qualitative	12 months	❄️	G Y O R C	✅

#### Sample type:

- urogenital, rectal and oropharyngeal swabs; conjunctival discharge; prostate gland secretion; and urine samples

#### Analytical sensitivity:

- 5x10<sup>2</sup> GE/ml

## *Neisseria gonorrhoeae/Chlamydia trachomatis/Mycoplasma genitalium*

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage RT	Fluorescent channels	Availability
R-B67-F(RG,iQ)-CE	AmpliSens® <i>N. gonorrhoeae/C. trachomatis/M. genitalium</i> -Multiprime-FRT	🕒	🧴	110	CE IVD	qualitative	9 months	❄️	G Y O R	✅

#### Sample type:

- urogenital, rectal, and oropharyngeal swabs; conjunctival discharge; prostate gland secretion; and urine samples

#### Analytical sensitivity:

- *N. gonorrhoeae, C. trachomatis*:
  - 5x10<sup>2</sup> GE/ml for urogenital swabs
  - 1x10<sup>3</sup> GE/ml for urine
- *M. genitalium*:
  - 1x10<sup>3</sup> GE/ml for urogenital swabs
  - 2x10<sup>3</sup> GE/ml for urine

## *Chlamydia trachomatis/Ureaplasma/Mycoplasma hominis*

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B43-F(RG,iQ)-CE	AmpliSens® <i>C. trachomatis/Ureaplasma/M. hominis</i> -Multiprime-FRT	🕒	🧴	110	CE IVD	qualitative	12 months	❄️	G Y O R	✅

#### Sample type:

- urogenital and oropharyngeal swabs; conjunctival discharge; prostate gland secretion; and urine samples

#### Analytical sensitivity:

- *C. trachomatis*:
  - 5x10<sup>2</sup> GE/ml for urogenital swabs
  - 1x10<sup>3</sup> GE/ml for urine
- *Ureaplasma sp., M. hominis*:
  - 1x10<sup>3</sup> GE/ml for urogenital swabs
  - 2x10<sup>3</sup> GE/ml for urine

🕒 Real-Time   🕒 Reverse transcription   ★ Fluorescent End-Point   🧴 Reagents in stock tubes   🧴🧴 Ready-to-use PCR tubes  
 ⚠️ on request   ✅ available; RT-Room temperature   ❄️ 2 to 8 °C   ❄️ -24 to -16 °C

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### Chlamydia trachomatis/Ureaplasma/Mycoplasma genitalium

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B46-F(RG,iQ)-CE	AmpliSens® <i>C.trachomatis</i> / <i>Ureaplasma</i> / <i>M.genitalium</i> -FRT			110		qualitative	12 months			

**Sample type:**  
• urogenital, rectal and oropharyngeal swabs; conjunctival discharge; prostate gland secretion; and urine samples

**Analytical sensitivity:**  
• *C.trachomatis*:  
– 5x10<sup>2</sup> GE/ml for urogenital swabs  
– 1x10<sup>3</sup> GE/ml for urine  
• *Ureaplasma sp.*, *M.hominis*:  
– 1x10<sup>3</sup> GE/ml for urogenital swabs  
– 2x10<sup>3</sup> GE/ml for urine

### Neisseria gonorrhoeae/Chlamydia trachomatis/Mycoplasma genitalium/Trichomonas vaginalis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B61-F(RG)-CE	AmpliSens® <i>N.gonorrhoeae</i> / <i>C.trachomatis</i> / <i>M.genitalium</i> / <i>T.vaginalis</i> -Multiprime- FRT			110		qualitative	12 months			

**Sample type:**  
• urogenital, rectal and oropharyngeal swabs; conjunctival discharge; prostate gland secretion; and urine samples

**Analytical sensitivity:**  
• *N.gonorrhoeae*, *C.trachomatis*, *T.vaginalis*:  
– 5x10<sup>2</sup> GE/ml for cervical or urethral swabs  
– 1x10<sup>3</sup> GE/ml for urine  
• *M.genitalium*:  
– 1x10<sup>3</sup> GE/ml for cervical or urethral swabs  
– 2x10<sup>3</sup> GE/ml for urine

### Trichomonas vaginalis/Neisseria gonorrhoeae/Chlamydia trachomatis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B83-F(RG,iQ)-CE	AmpliSens® <i>T.vaginalis</i> / <i>N.gonorrhoeae</i> / <i>C.trachomatis</i> - Multiprime-FRT			110		qualitative	9 months			

**Sample type:**  
• urogenital, rectal, and oropharyngeal swabs; eye conjunctival discharge; prostate gland secretion; and urine samples

**Analytical sensitivity:**  
• *T.vaginalis*, *N.gonorrhoeae*, *C.trachomatis*:  
– 5x10<sup>2</sup> GE/ml for urogenital swab  
– 1x10<sup>3</sup> GE/ml for urine

Real-Time Reverse transcription Fluorescent End-Point Reagents in stock tubes Ready-to-use PCR tubes  
 on request available; RT-Room temperature 2 to 8 °C -24 to -16 °C

### Candida albicans/Candida glabrata/Candida krusei

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-F3-F(RG,iQ)-CE	AmpliSens® <i>C.albicans</i> / <i>C.glabrata</i> / <i>C.krusei</i> -FRT			110		qualitative	9 months			

**Sample type:**  
• urogenital, rectal, and pharyngeal swabs; conjunctival discharge; prostate gland secretion; and urine samples

**Analytical sensitivity:**  
• *C.albicans*, *C.glabrata*, *C.krusei*:  
– 1x10<sup>3</sup> GE/ml for urogenital swabs in transport medium  
– 2x10<sup>3</sup> GE/ml for urine

### Trichomonas vaginalis/Neisseria gonorrhoeae

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B65-F(RG,iQ)-CE	AmpliSens® <i>T.vaginalis</i> / <i>N.gonorrhoeae</i> - Multiprime-FRT			110		qualitative	9 months			

**Sample type:**  
• urogenital, rectal, and oropharyngeal swabs; conjunctival discharge; urine samples, prostate gland secretion

**Analytical sensitivity:**  
• *T.vaginalis*, *N.gonorrhoeae*:  
– 5x10<sup>2</sup> GE/ml for urogenital swabs in transport medium  
– 1x10<sup>3</sup> GE/ml for urine

### Gardnerella vaginalis/Lactobacillus species

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B7-FT (RG,iQ,Mx)-CE	AmpliSens® <i>Gardnerella vaginalis</i> / <i>Lactobacillus</i> spp.-titre-FRT			110		quantitative	9 months			

**Sample type:**  
• discharge of posterior fornix of vagina

**Analytical sensitivity:**  
• *G.vaginalis*, *Lactobacillus sp.*:  
– 5x10<sup>3</sup> copies/ml for discharge of posterior fornix of vagina

### Florocenos/Bacterial vaginosis

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B74-100-FT (RG)-CE	AmpliSens® Florocenos/ Bacterial Vaginosis-FRT			110		quantitative	9 months			

**Sample type:**  
• vagina secretion and epithelial cells scrape from the vagina side area

**Analytical sensitivity:**  
• Epithelial cell scrapes from the lateral walls o vagina - 5x10<sup>3</sup> copies/ml  
• Vaginal discharge - 5x10<sup>3</sup> copies/ml

Real-Time Reverse transcription Fluorescent End-Point Reagents in stock tubes Ready-to-use PCR tubes  
 on request available; RT-Room temperature 2 to 8 °C -24 to -16 °C

## Florocenosis/Mycoplasma

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-B75-100-FT(RG,iQ,Mx)-CE	AmpliSens® Florocenosis/ Mycoplasmas ( <i>M. hominis</i> , <i>U. parvum</i> , <i>U. urealyticum</i> )-FRT			110		quantitative	9 months			

### Sample type:

- urogenital swabs from cervical canal, vagina, urethra and first pass of urine

### Analytical sensitivity:

- U. parvum*, *U. urealyticum*, *M. hominis*:
  - 1x10<sup>3</sup> GE/ml for urogenital swabs in transport medium
  - 2x10<sup>3</sup> GE/ml for urine

### Linear range:

- 10<sup>3</sup>- 10<sup>7</sup> GE/ml

## Florocenosis / Candida

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage	Fluorescent channels	Availability
R-F5-100-FT(RG,CFX)-CE	AmpliSens® Florocenosis/ Candida-FRT			110		quantitative	9 months			

### Sample type:

- urogenital swabs, oral and oropharyngeal swabs and urine samples

### Analytical sensitivity:

- C. albicans*, *C. glabrata*, *C. krusei*, *C. parapsilosis*, *C. tropicalis*:
  - 1x10<sup>2</sup> GE/ml for urogenital swabs, oral and oropharyngeal swabs
  - 1x10<sup>2</sup> GE/ml for urine

### Linear range:

- 200 to 2x10<sup>5</sup> GE/ml

## Florocenosis / Aerobes

Catalog number	Description	Detection	Format	# of reactions	Certification	Assay detail	Shelf life	Storage RT	Fluorescent channels	Availability
R-B88-100-FT-CE	AmpliSens® Florocenosis/ Aerobes-FRT			110		quantitative	12 months			

### Sample type:

- vaginal swab

### Analytical sensitivity:

- Enterobacteriaceae*, *Staphylococcus spp.*, *Streptococcus spp.*:
  - 2x10<sup>3</sup> GE/ml for vaginal swab

### Linear range:

- 1x10<sup>4</sup> – 1x10<sup>8</sup> GE/ml

Real-Time  
 Reverse transcription  
 Fluorescent End-Point  
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