



(Not Available in U.S.)

**STD Detection**



**STD  
Detection**

# PRODUCTS FOR STD Pathogen Detection

Total solution for the detection of pathogens causing STD

- 1 25 STI pathogens
- 2 6 STD pathogens
- 3 CT, NG, and HPVs (high- & low-risk HPV types)



# Seegene's STD Pathogen Detection Products

- ▶ **Multiple Detection**  
Simultaneous detection of multiple pathogens by just one-time PCR
- ▶ **DPO™-based PCR with High Specificity and Sensitivity**
- ▶ **Low Cost and Fast Results**
- ▶ **Applicable for Automatic System**  
Automatic sample preparation, detection & analysis  
Rapid and easy interpretation

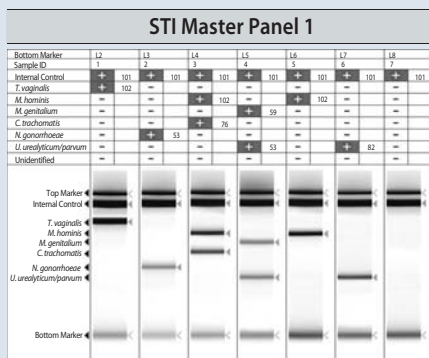
Seeplex®

## STI Master ACE Detection

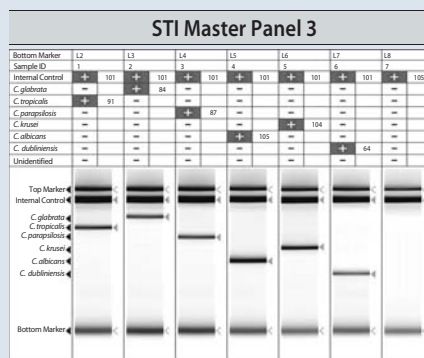
Total solution for the detection of 25 pathogens causing sexually transmitted infections

For screening of <b>cervicitis, urethritis, trichomoniasis</b> and <b>PID</b> (pelvic inflammatory disease)	<b>STI Master Panel 1</b>	For screening of <b>candidiasis</b>	<b>STI Master Panel 3</b>
	<i>Trichomonas vaginalis</i> <i>Mycoplasma hominis</i> <i>Mycoplasma genitalium</i> <i>Chlamydia trachomatis</i> <i>Neisseria gonorrhoeae</i> <i>Ureaplasma urealyticum/parvum</i>		<i>Candida glabrata</i> <i>Candida tropicalis</i> <i>Candida parapsilosis</i> <i>Candida krusei</i> <i>Candida albicans</i> <i>Candida dubliniensis</i>
For screening of <b>bacterial vaginosis</b>	<b>STI Master Panel 2</b>	For detection of <b>trichomoniasis</b> and typing of <b>HSV</b>	<b>STI Master Panel 4</b>
	<i>Gardnerella vaginalis</i> <i>Bacteroides fragilis</i> <i>Mobiluncus curtisii</i> <i>Aptopobium vaginae</i> <i>Mobiluncus mulieris</i>		<i>Trichomonas vaginalis</i> HSV2 HSV1
		For diagnosis of <b>soft-chancroid, hard-chancroid, ulcer</b> and <b>GBS</b>	<b>STI Master Panel 5</b>
			CMV <i>Treponema pallidum</i> <i>Haemophilus ducreyi</i> Lymphogranuloma venereum (LGV) Group B Streptococcus (GBS)

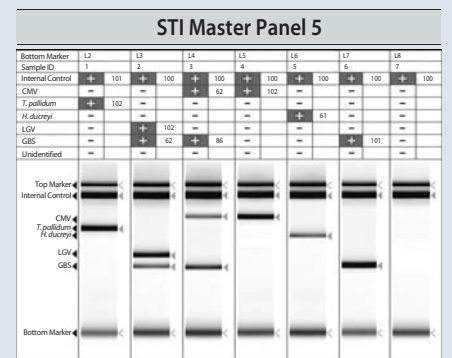
<Rapid and easy interpretation using auto-electrophoresis>



1-6: Clinical samples, 7: Negative control (ScreenTape® System, Lab901 Limited)



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\*This product should be used for [RUO] purposes.

\*\*This product can be used for [IVD] purposes in European union and [RUO] purposes in other countries.

Product	Cat. No.	Size	Specimen
STI Master ACE Detection*	SD6510X	100 rxns * 5	Urine, Urethral swab, Vaginal swab, Cervical brush/swab, Liquid-based cytology specimen Genital lesion swab
STI Master Panel 1	SD6511X	100 rxns	
STI Master Panel 2	SD6512X	100 rxns	
STI Master Panel 3	SD6513X	100 rxns	
STI Master Panel 4	SD6514X	100 rxns	
STI Master Panel 5	SD6515X	100 rxns	
STD6 ACE Detection**	SD6600Y	50 rxns	Cervical brush/swab, Liquid-based cytology specimen
HPV/STD4 ACE Screening**	SH1400Y	50 rxns	

(ACE : Auto-Capillary Electrophoresis, [IVD] : In Vitro Diagnostic Use, [RUO] : Research Use Only)

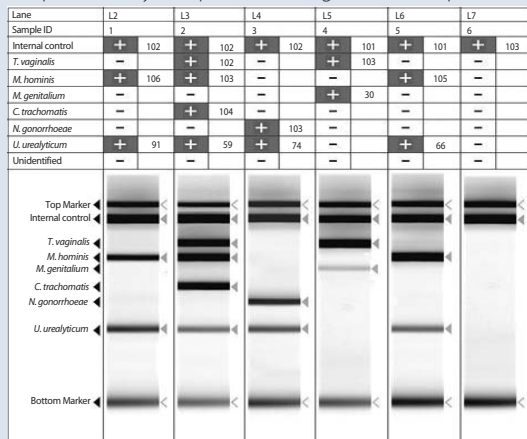
Seeplex®

## STD6 ACE Detection CE

Simultaneous detection of 6 different STD pathogens in a single test

- *Trichomonas vaginalis*
- *Mycoplasma hominis*
- *Mycoplasma genitalium*
- *Chlamydia trachomatis* (CE1023)
- *Neisseria gonorrhoeae*
- *Ureaplasma urealyticum*

<Rapid and easy interpretation using auto-electrophoresis>



1~5: Clinical samples, 6: Negative control

Sample	Result
1	<i>M. hominis</i> , <i>U. urealyticum</i>
2	<i>T. vaginalis</i> , <i>M. hominis</i> , <i>C. trachomatis</i> , <i>U. urealyticum</i>
3	<i>N. gonorrhoeae</i> , <i>U. urealyticum</i>
4	<i>T. vaginalis</i> , <i>M. genitalium</i>
5	<i>M. hominis</i> , <i>U. urealyticum</i>

[Citation]

1. Horii T et al., Use of a dual priming oligonucleotide system to detect multiple sexually transmitted pathogens in clinical specimens. Lett Appl Microbiol. 2009, 49(1):46-52.

Seeplex®

## HPV/STD4 ACE Screening CE

Simultaneous screening for STD and HPV high-risk/low-risk types in a single test

<i>Chlamydia trachomatis</i> (CE1023)	STD
<i>Neisseria gonorrhoeae</i>	
High-risk HPV common <sup>1)</sup>	HPV
Low-risk HPV common <sup>2)</sup>	

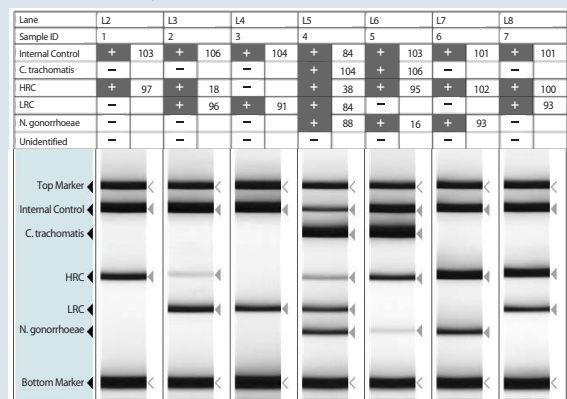
1) High-risk HPV common (HRC, 16 types) :

16, 18, 31, 33, 35, 39\*, 45, 51, 52\*, 56, 58, 59, 66, 67, 68\*, 70

2) Low-risk HPV common (LRC, 5 types) : 6, 11, 42, 43, 44

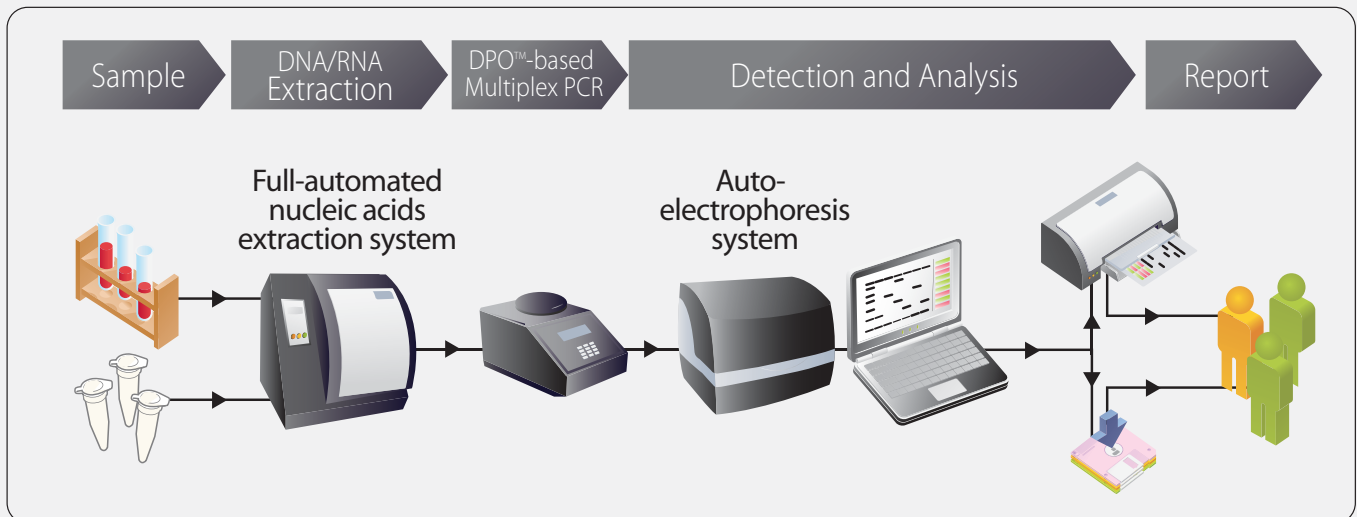
\*High-risk HPV common primers can detect high-risk HPV types 39, 52 and 68 by cross-reactivity.

<Rapid and easy interpretation using auto-electrophoresis>



1~7 : Clinical samples (ScreenTape® System, Lab901 Limited)

# Seeplex<sup>®</sup> Automatic Detection System



## Seeplex<sup>®</sup> Key Products

<b>Meningitis</b>	Detection of viruses and bacteria causing Meningitis
<b>Diarrhea</b>	Detection of viruses and bacteria causing Diarrhea
<b>Somatic Mutation</b>	Detection of BRAF mutation (V600E) characteristic for papillary thyroid carcinoma
<b>Respiratory Pathogen</b>	Typing of influenza A, B virus and subtyping of influenza A virus Detection of 15, 12, 5, 6, or 7 Respiratory viruses Detection of 6 Pneumonia bacteria Detection of 13 Respiratory viruses and 5 Pneumonia bacteria
<b>HPV</b>	Screening for HPVs (16, 18, 6/11, and High-risk HPV common) Screening for 2 STD pathogens (CT, NG) and HPVs (High-risk, Low-risk common)
<b>STD</b>	Detection of 25 STI pathogens Screening for 2 STD pathogens (CT, NG) and HPVs (High-risk, Low-risk common)
<b>Drug Resistance</b>	Detection of Vancomycin-resistant Enterococci (van A, van B) Detection of Clarithromycin-resistant H. pylori (A2143G, A2142G) Detection of Lamivudine-resistant HBV (YVDD, YIDD, L528M, YSDD)
<b>SNP</b>	MTHFR C677T/A1298C genotyping CYP2C19 genotyping ApoE genotyping
<b>TB</b>	MTB and NTM discrimination for culture specimens MTB and M. bovis BCG discrimination for various specimens MTB Detection for various specimens (Nested PCR or Single PCR)



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