



Allplex™ HPV HR Detection / Allplex™ HPV28 Detection

Screening and Full Genotyping All-in-One Test

Seegene, a Frontier of High Multiplex HPV Screening.

Now provides up to 15 targets' quantification information in a single tube using 3 Ct PCR technology.

Seegene's latest leading-edge technology can quantify 15 targets in a single tube.

This proprietary technology is applied to Allplex™ HPV HR/28 Detection assays and provides the broadest clinical information while screening HPVs.

The results of these informative tests will enable the clinician to make no guesses and to perform true syndromic quantitative testing, allowing prioritization of treatment strategies for multiple infections and composite drug resistance.

Seegene's 3 Ct PCR Technology

DPO + **TOCE** + **MuDT** + **More**
Specificity Multiple Detection Multiple Analysis

1
Tube

15 plex

A diagram of a PCR tube, outlined in yellow. From the right side of the tube, 15 parallel lines of different colors (red, orange, yellow, green, blue, purple, etc.) extend outwards, representing the 15 targets being quantified. The text '1 Tube' is written inside the tube, and '15 plex' is written next to the lines.

Individual Ct Value for Personalized Patient Care

Quantification information
with individual Ct values
through Seegene's
3 Ct PCR Technology

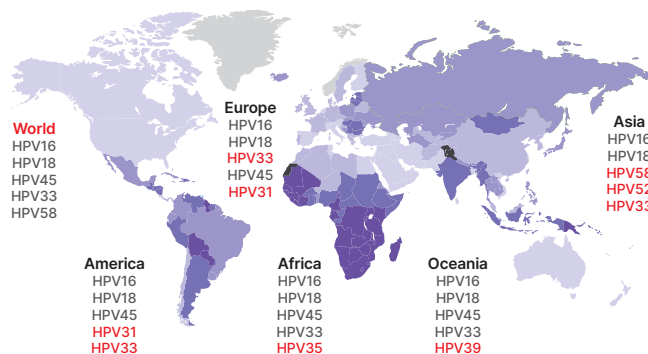


The world's first assay that can
provide 15 targets quantification information
available on the market

- Enables efficient patient management
through informed decision-making
- Adapts cervical cancer screening
national guidelines based on
the complete genotyping information
(14 HR HPVs or 19 HR & 9 LR HPVs)

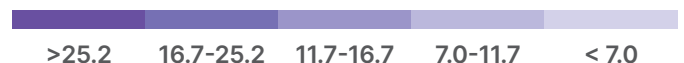
Screening and
Genotyping in a single test

Why do we need full genotyping while screening HPV?

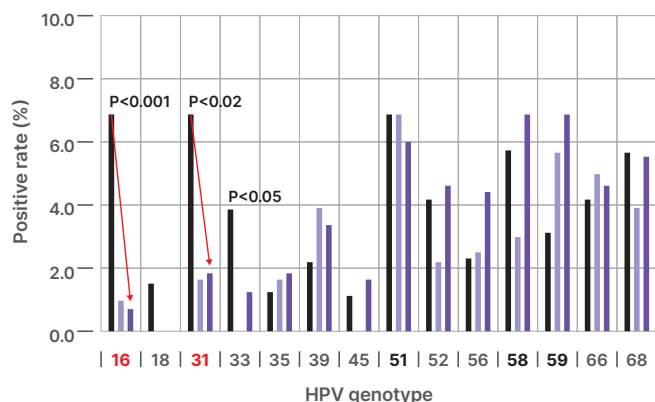


The prevalence HPV type differs
by country or region around the world¹⁾

ASR(world) per 100,000



No data
Not applicable



The HPV vaccination had a substantial
impact on genotype distribution²⁾

Unvaccinated
Bivalent Vaccine(BV)
Quadrivalent Vaccine(QV)

Fast and Automated Workflow for National Screening

Fast HPV screening with a fully automated workflow

- Suitable for a large-scale test with **short TAT - 1.5 hr PCR TAT**
- Enhances test efficiency and minimizes human-errors through a **full automation workflow** (AIOS)

Application of self-collected samples

- Improves patient convenience by expanding applicable sample types including **self-collected vaginal swab**

Full-Automation & short turnaround time

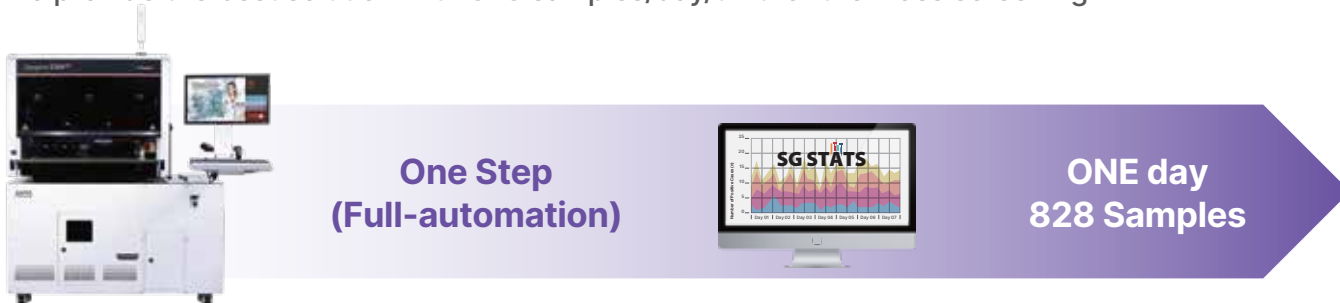
Simplified Process

To be available for Self-sampling, Full automation system & Well-organized data analysis program



High Throughput

To provide the best solution with 828 samples/day/unit for the mass screening

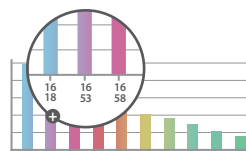


SG STATS helps you translate data to powerful insights

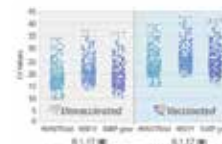
Seegene offers a unique cloud-based solution to easily track, analyze, and visualize surveillance data



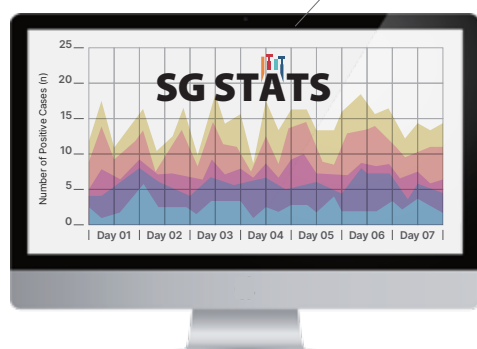
Global trend monitoring



Prevalence & co-infection analysis



Ct value analysis



- Analyze prevalence of individual genotypes and co-infection patterns
- Show distribution of Ct value by genotype
- Compare prevalence across regions

* SG STATS is offered free of charge to Seegene customers. Visit sgstats.seegene.com for more information and please contact your sales representative to register.

Specification

	Allplex™ HPV HR Detection	Allplex™ HPV28 Detection
Analyte	<ul style="list-style-type: none">• 14 High-risk HPV types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68	<ul style="list-style-type: none">• 19 High-risk HPV types 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 69, 73, 82• 9 Low-risk HPV types 6, 11, 40, 42, 43, 44, 54, 61, 70
Specimen	<ul style="list-style-type: none">• Cervical swab• Self-collected vaginal swab	<ul style="list-style-type: none">• Liquid based cytology Specimen ThinPrep®, Surepath™ and Cellpreserv
Compatible Instrumentation	<ul style="list-style-type: none">• Full Automated Process Seegene STARlet-AIOS• Real-time PCR CFX96™ DX	<ul style="list-style-type: none">• Automated Extraction & PCR setup Seegene NIMBUS / Seegene STARlet

References

01

L Bruni et al., Human Papillomavirus and Related Diseases in the World [Internet]. ICO/IARC Information Centre on HPV and Cancer. 2022. Available from : <https://hpvcentre.net/datastatistics.php>

02

A Latsuzbaia et al., Effectiveness of bivalent and quadrivalent human papillomavirus vaccination in Luxembourg. Cancer Epidemiol. 2019 Dec;63:101593.

SG STATS

www.seegene.com/software/sg_stats



Ordering Information

Product	Size	Cat. No.
Allplex™ HPV Series		
Allplex™ HPV HR Detection	100 rxns	HP10370X
Allplex™ HPV HR Detection	25 rxns	HP10371Z
Allplex™ HPV28 Detection	100 rxns	HP10372X
Allplex™ HPV28 Detection	25 rxns	HP10373Z
Anyplex™ II HPV Series		
Anyplex™ II HPV28 Detection	100 rxns	HP7S00X
Anyplex™ II HPV HR Detection	100 rxns	HP7E00X

Automated extraction systems

Microlab NIMBUS IVD	65415-02
Microlab STARlet IVD	173000-075
Seegene NIMBUS	65415-03
Seegene STARlet	67930-03
STARMag 96 X 4 Universal Cartridge Kit	744300.4.UC384
STARMag 96 X 4 Viral DNA/RNA 200 C Kit	EX00013C
SEEPREP32	SG71100
STARMag 96 ProPrep (Plate Type)	EX00009P
STARMag 96 ProPrep (Tube Type)	EX00009T
STARMag 96 ProPrep C (Plate Type)	EX00017P
STARMag 96 ProPrep C (Tube Type)	EX00017T

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