

# Seegene STARlet

Superior one-step process from nucleic acid extraction to PCR setup

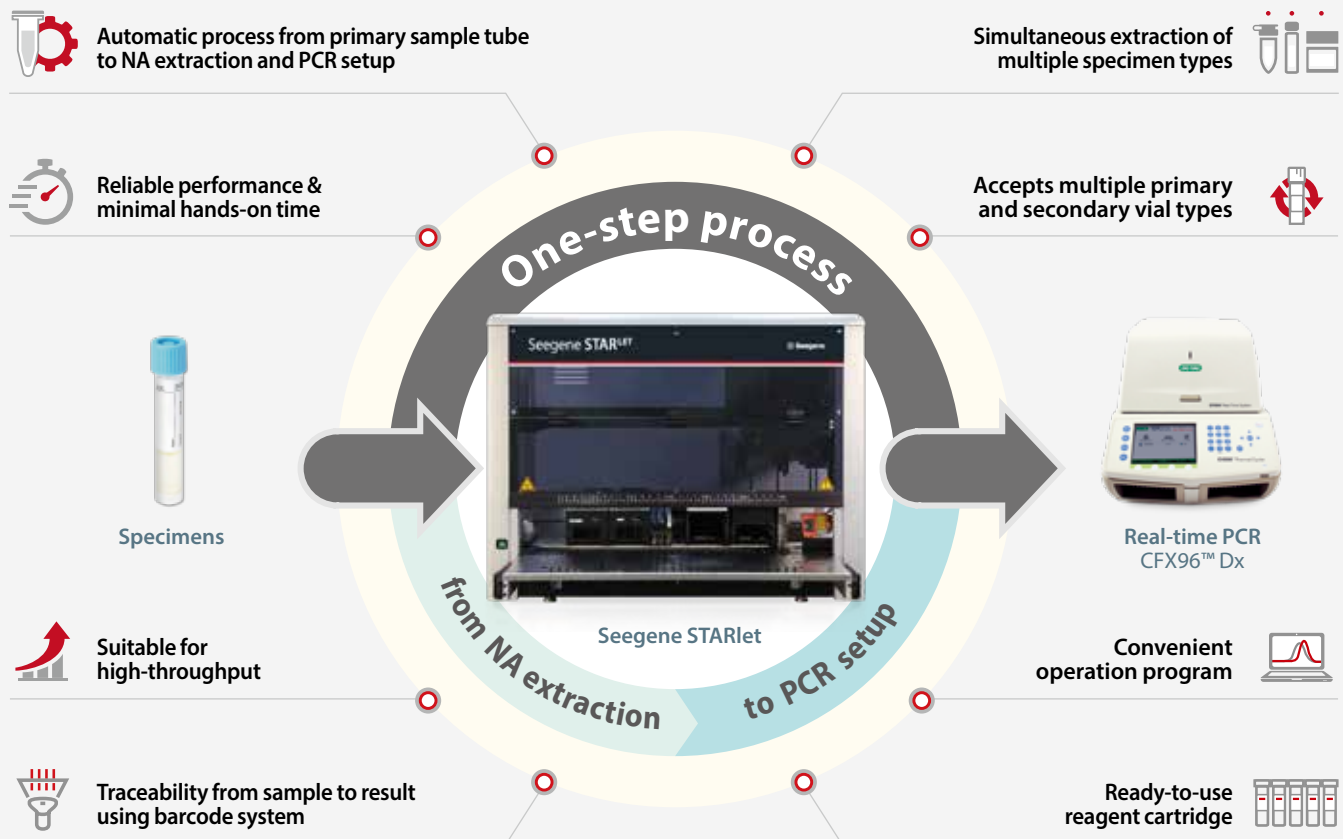
CE-IVD  
Marked



# Seegene STARlet

Seegene STARlet is an easy-to-use liquid handling workstation from primary sample tube to nucleic acid (NA) extraction and PCR setup. It provides convenient process of your lab works by minimizing hands-on time and maximizing assay reliability.

## Seegene's automated MDx platform



### Universal Cartridge Kit



- Whole Blood
- Serum
- Plasma
- Cells
- Urine

- LBC (Liquid based cytology) specimen
- Swabs (Nasopharyngeal, Vaginal, Cervical, Urethral Rectal)
- Aspirate (Nasopharyngeal)
- BAL (Bronchoalveolar lavage)
- Sputum

- Stool
- Cary-Blair
- CSF

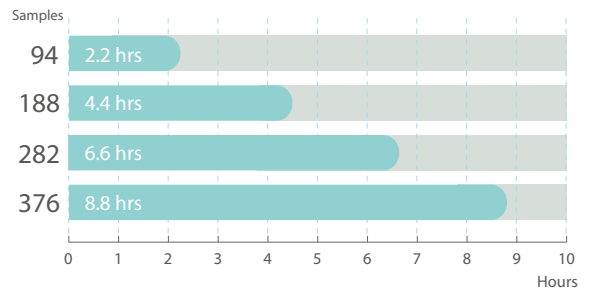
## Simultaneous nucleic acid extraction of multiple specimen types

- ▶ Single set of reagent for extraction of bacterial, viral, genomic, parasitic, fungal DNA and/or RNA from multiple specimen types
- ▶ Enhanced efficiency of working hours by reducing sample process time



## Suitable for high-throughput

- ▶ Fast NA extraction from primary or secondary specimen vials/tubes (376 samples within 9 hrs)
- ▶ Simplified workflow for medium to large sized laboratories



## Convenient operation using 'Seegene Launcher' program

- ▶ Intuitive tutorial session for each step of entire process
- ▶ Easy integration of sample information by barcode scanner or LIS
- ▶ Convenient to trace remaining reagent volume by barcode system
- ▶ One click away to run various assays



## Direct loading of primary sample tubes



&lt;1.5 ml tube&gt;



&lt;12 mm tube&gt;

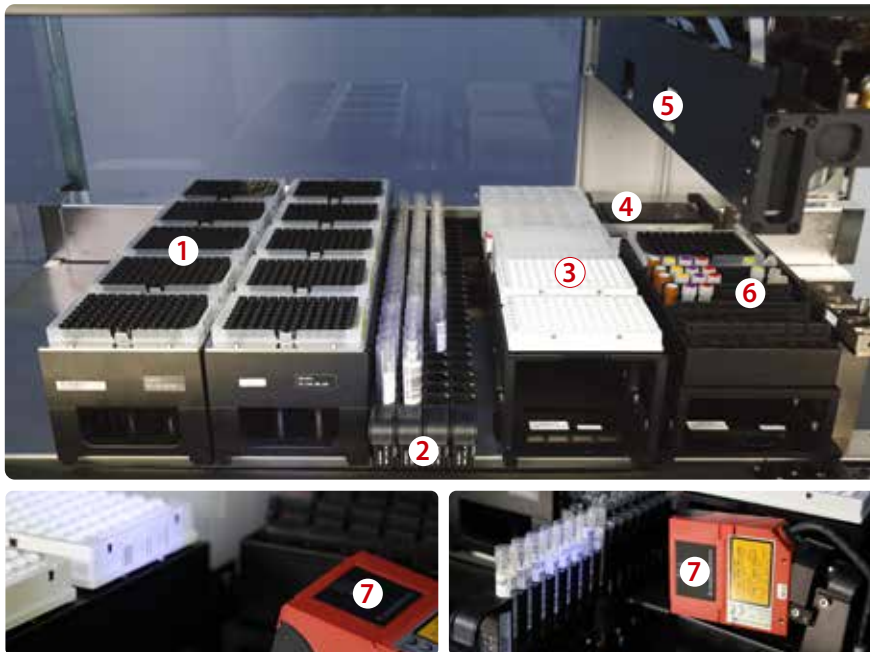


&lt;16 mm tube&gt;



&lt;Thinprep&gt;

## Component



- 1 Disposable filter tip**  
(300 $\mu$ l, 1000 $\mu$ l)
- 2 Sample carrier**  
for 1.5ml tube or primary tube
- 3 Plate carrier**
  - Extraction reagent rack : 2ea
  - 96 DWP rack : 1ea
  - PCR plate rack : 2ea
- 4 Heater and shaker**  
for increasing extraction efficiency
- 5 Robotic arm**  
for accurate dispensing control of individual 8 channel
- 6 PCR reagent rack**
- 7 Built-in barcode scanner**  
for reading of sample and consumables

## Ready-to-use reagent cartridge system

- ▶ Predispensed extraction reagents for up to 96 samples in one, re-useable cartridge
- ▶ Eliminate hands-on time for reagent preparation
- ▶ Verify reagent volume by barcode system



## One-step process from NA extraction to PCR setup

- ▶ Maximized user convenience by minimizing hands-on time
- ▶ Selectable functions : entire process from NA extraction to PCR setup, extraction only, and PCR setup only
- ▶ Reduction of risks for contamination and human error



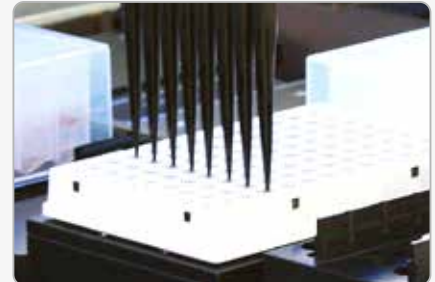
**Extraction**  
Other equipment

+



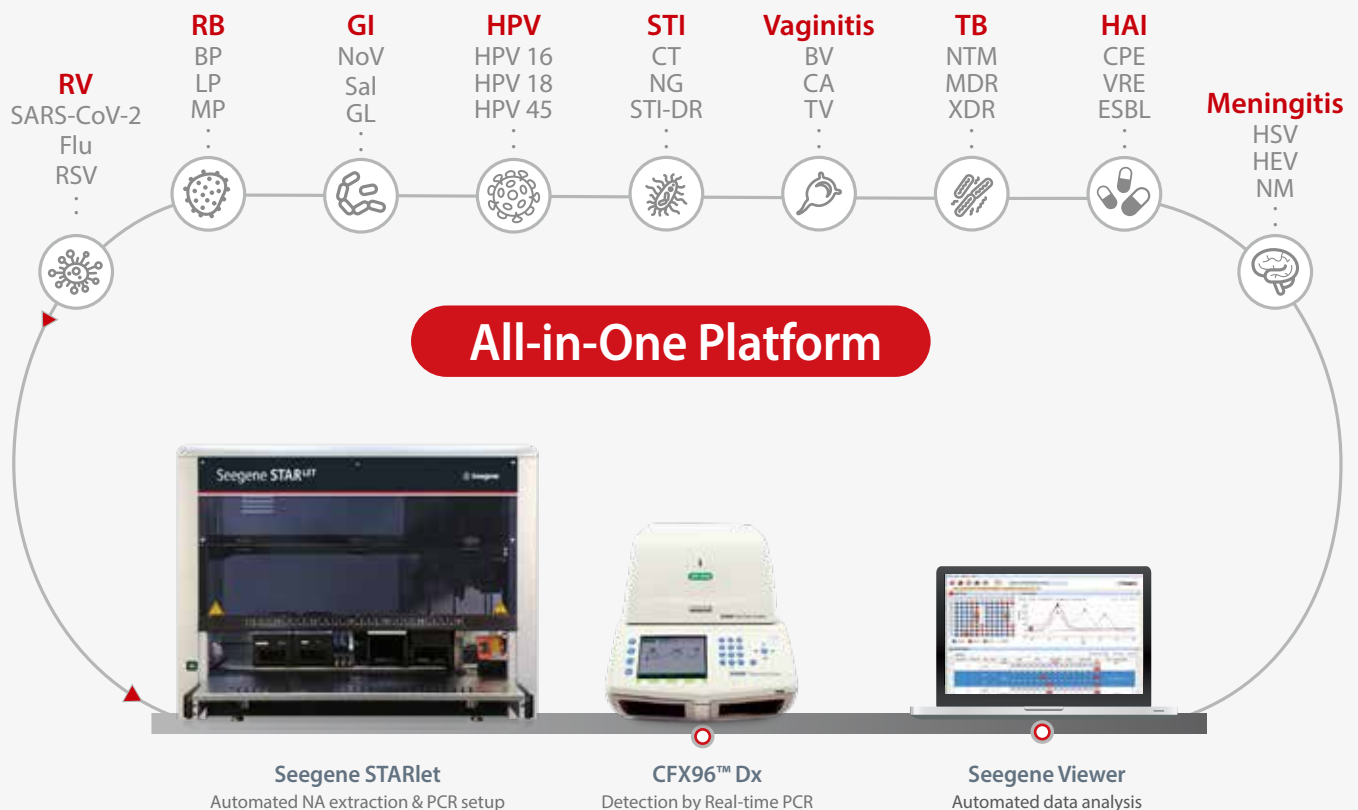
**PCR setup**  
Seegene STARlet

When separate extraction instruments are already set up, it can be exclusively used for PCR setup.



## All-in-One Platform for broad multiplex MDx assays

- ▶ One Platform to cover various disease areas
- ▶ Cost-effective to utilize one provider for all solution





## • COMPONENT

Independent liquid channels	8 ea
CO-RE gripper arm for labware movements	1 set
Sample carrier :	
Sample carrier for 32 specimens	3 ea
Sample carrier for 24 specimens (optional)	4 ea
Sample carrier for 12 specimens (optional)	8 ea
Tip carrier	2 ea
Magnetic separator	1 ea
Heater/Shaker (up to 100 °C)	2 ea
plate carrier	1 ea
Extraction cartridge rack	2 ea
PCR reagent rack	2 ea

## • SPECIFICATION

Power input	115-230 V, 50-60 Hz
Power consumption	Maximum 600 W
Dimensions	1124 (W)x795 (D)x903 (H) mm
Weight	140 kg
Sample capacity	1-94 samples
TAT (94 test)	2.2 hrs for whole process
Pipetting channel	8 channels
Dispensing precision (when using 300µl tip)	10µl: 2%, 50µl: 0.75%, 200µl: 0.75%
Dispensing precision (when using 1,000µl tip)	10µl: 3.5%, 100µl: 0.75%, 1000µl: 0.75%
Positional accuracy	0.1 mm on X-Y-Z

## • ORDERING INFORMATION

Category	Products	Cat. No.
Instrument	CFX96™ Dx	Optical Reaction Module 1845097-IVD
		Thermal Cyclers 1841000-IVD
	Seegene STARlet	67930-03
	Seegene NIMBUS	65415-03
Extraction reagent	STARMag™ 96 x 4 Universal Cartridge Kit	744300.4.UC384
	STARMag™ 96 x 4 Universal Plus Cartridge Kit	EX00006C
	STARMag™ 96 x 4 Viral DNA/RNA 200 C Kit	EX00013C
Consumable	96 Deep Well Micro Plate	SDP0096
	High Volume Tips (1 mL)	235905
	Standard Volume Tips (300 µL)	235903
	Waste bag	199203



Seoul, Republic of Korea / Tel: +82-2-2240-4000 / Fax: +82-2-2240-4040 / E-mail: info@seegene.com

[www.seegene.com](http://www.seegene.com)

### BRAZIL

Belo Horizonte, Brazil  
+55-31-25153003  
contato@seegenebrazil.com.br

### CANADA

Toronto, Canada  
+1-800-964-5680  
canada@seegene.com

### COLOMBIA

Bogotá D.C, Colombia  
+57-315-7920200  
jrodriguez@seegene.com

### GERMANY

Düsseldorf, Germany  
+49-211-83831-600  
sgg@seegene.com

### ITALY

Genova GE, Italy  
+39-010-667-1796  
info@arrowdiagnostics.it

### MEXICO

México city, México  
+ 52 (55)-8848-9646  
mexico@seegene.com

### MIDDLE EAST

Dubai, UAE  
+971-4-558-7110  
sgme@seegene.com

### USA

California, USA  
+1-925-448-8172  
info@seegenetech.com