

Seegene **STARlet** IVD

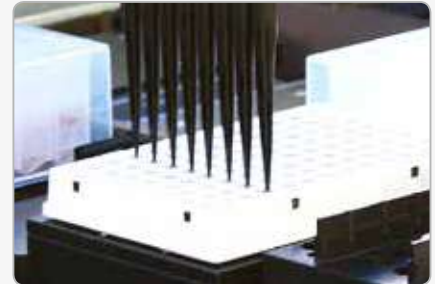
Superior one-step process from nucleic acid extraction to PCR setup

CE-IVD
Marked



One-step process from NA extraction to PCR setup

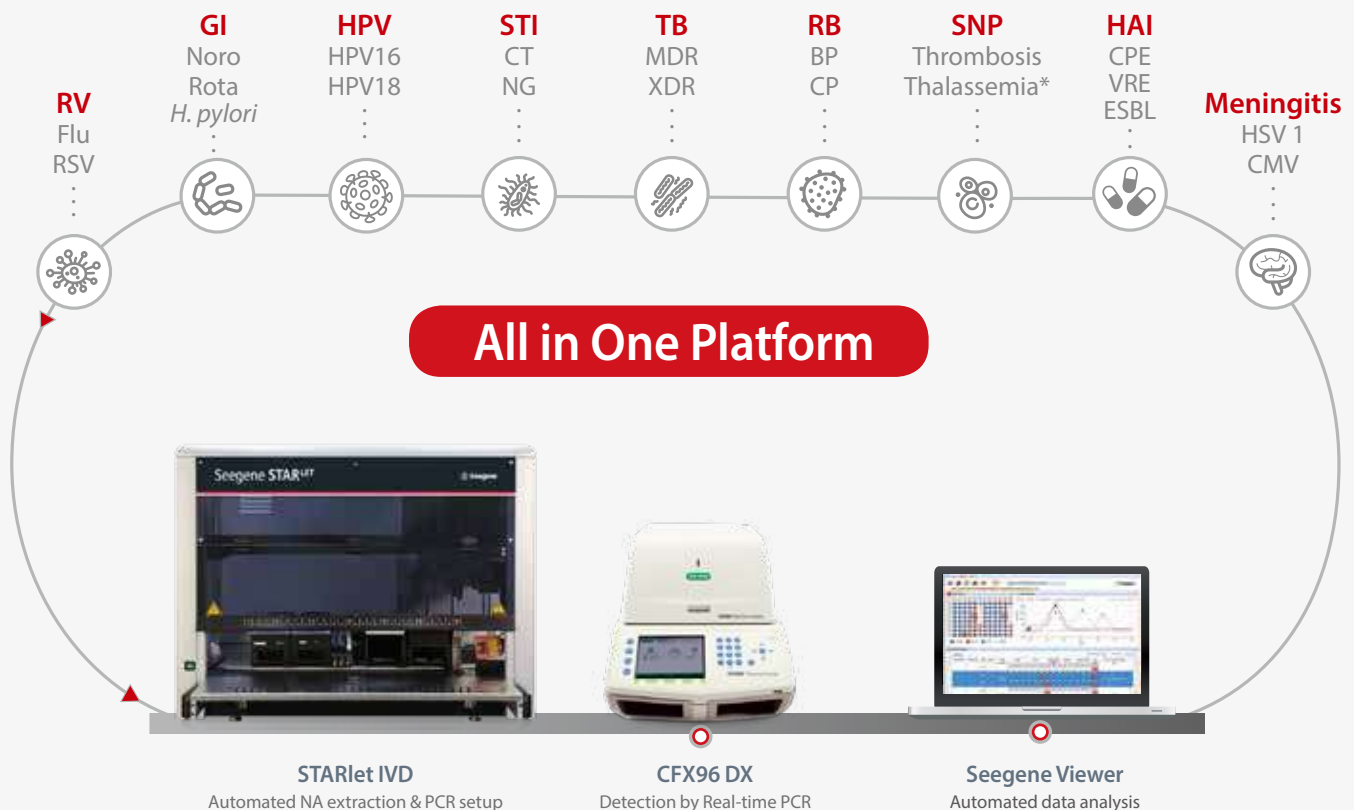
- ▶ Maximized user convenience by minimizing hands-on time
- ▶ Selectable functions : entire process from NA extraction to PCR setup, extraction only, and PCR setup only
- ▶ Reduction of risks for contamination and human error



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

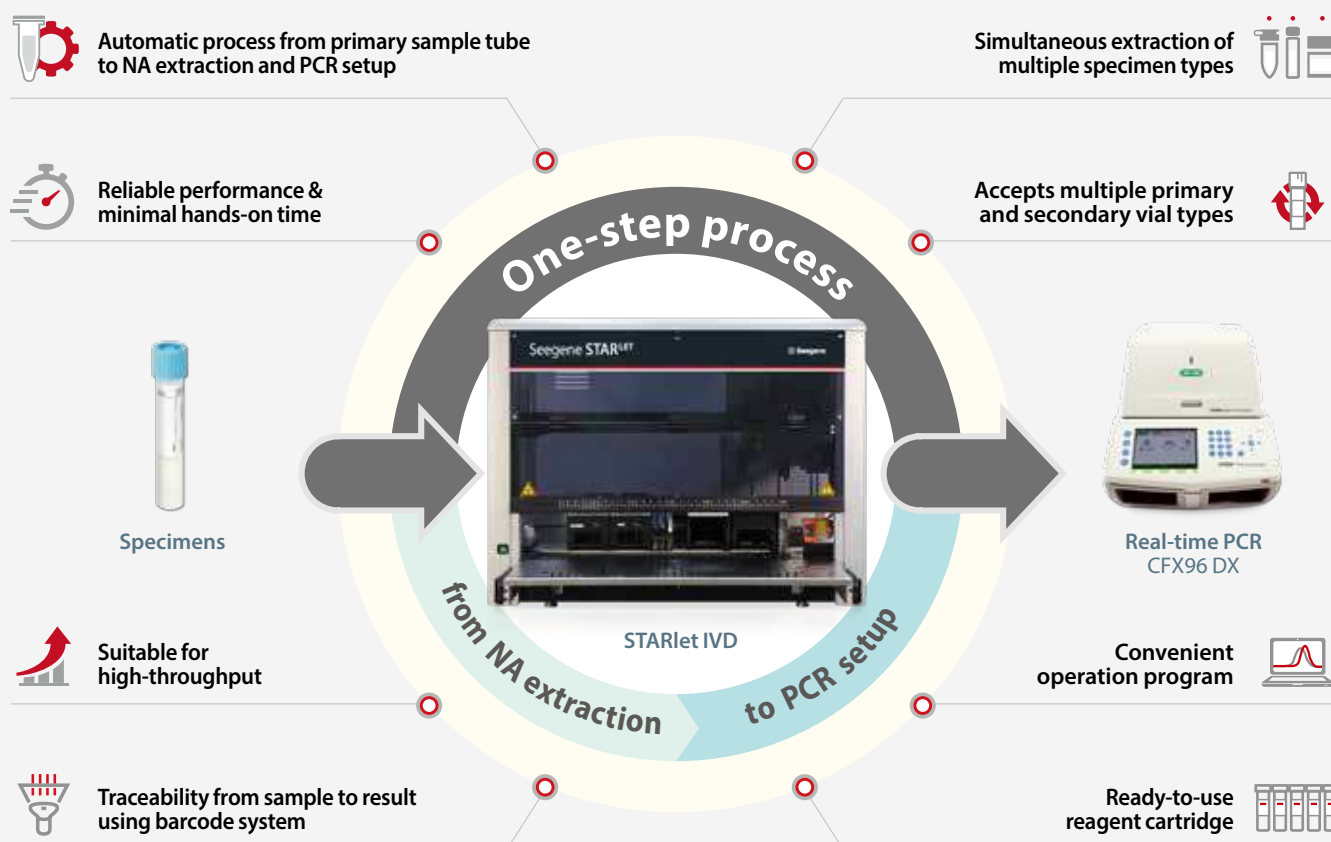
* In development



Seegene STARlet IVD

Seegene STARlet IVD 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



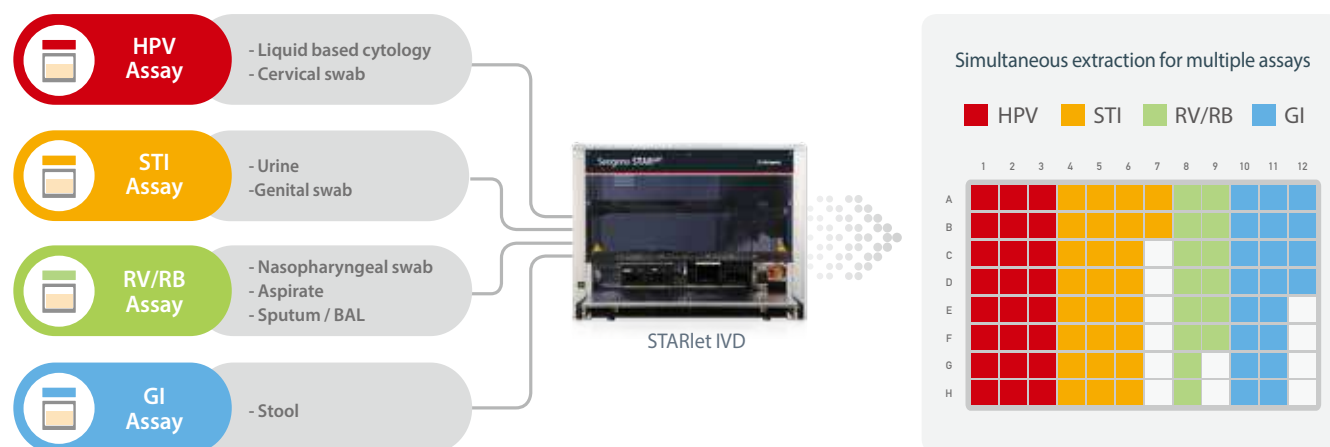
- Whole Blood
- Serum
- Plasma
- Cells
- Urine

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

- Stool
- Cary-Blair
- CSF

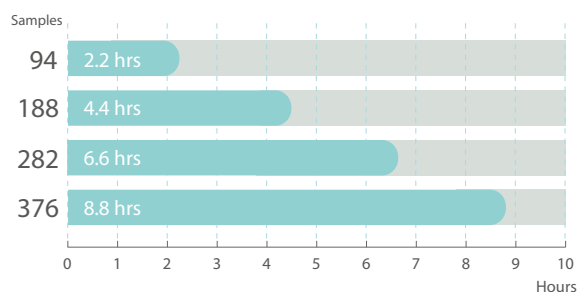
Simultaneous nucleic acid extraction of multiple specimen types

- ▶ 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



• 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 300 μ l tip)	10 μ l: 2%, 50 μ l: 0.75%, 200 μ l: 0.75%
Dispensing precision (when using 1,000 μ l tip)	10 μ l: 3.5%, 100 μ l: 0.75%, 1000 μ l: 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 Cycler 1841000-IVD
	Seegene STARlet IVD	67930-03
	Seegene NIMBUS IVD	65415-03
Extraction reagent	STARMag 96 x 4 Universal Cartridge Kit	744300.4.UC384
Consumable	High Volume Tips(1000 μ l)	235905
	Standard Volume Tips(300 μ l)	235903
	NIMBUS-Waste Bag	65803-01
	NIMBUS-96 Deep Well Micro Plate	67930-03



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Direct loading of primary sample tubes



<1.5 ml tube>



<12 mm tube>

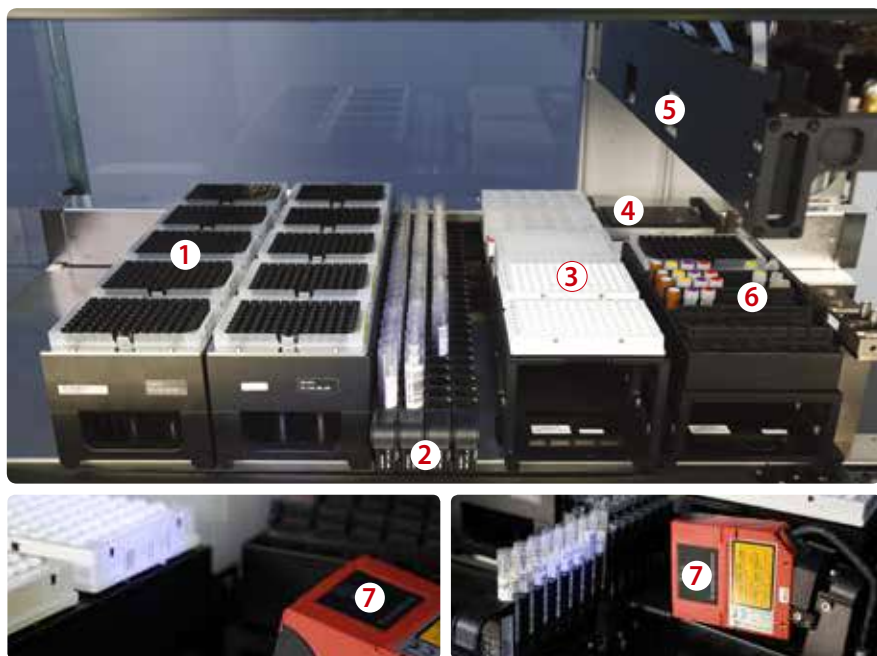


<16 mm tube>



<Thinprep>

Component



- 1 Disposable filter tip**
(300 μ l, 1000 μ 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

