Seegene

Seegene STARlet-AIOS

Get started
with automated molecular testing

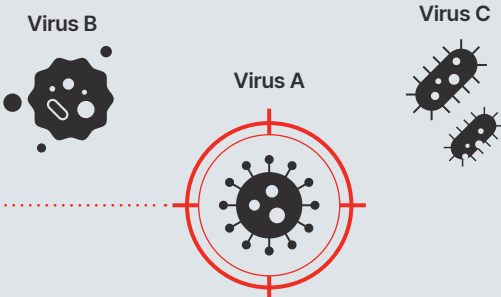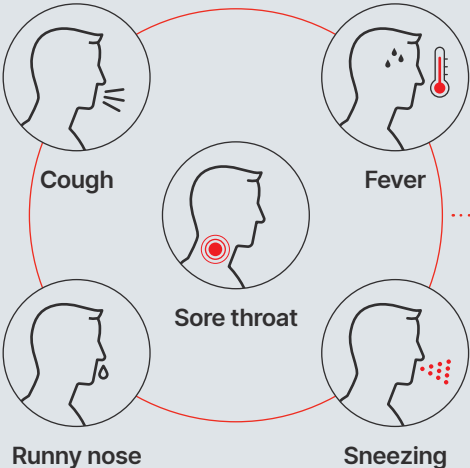# Compact & Complete

Seegene STARlet-AIOS

The only compact and complete automation system maximizes your walk-away time and minimizes the hands-on time while compatible with all Seegene's high multiplex syndromic-based tests to lead you to the next level of molecular diagnostic testing.

Detect and diagnose the exact cause of symptoms at once with Seegene STARlet-AIOS
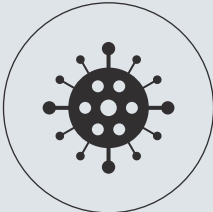
Syndromic testing

Even if the same symptoms are shown, the causative pathogens can be various.

Cough

Fever

Sore throat

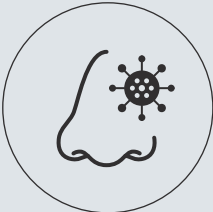Runny nose

Sneezing

Virus B

Virus A

Virus C

Seegene's syndromic test is able to pinpoint the infected one among all pathogens causing similar symptoms.

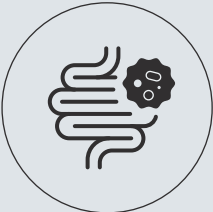**All Seegene's assays are compatible on full automation system - Seegene STARlet-AIOS**
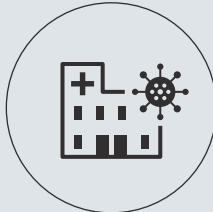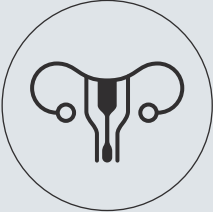**Over 30 syndromic assays**

SARS-CoV-2 infection

Respiratory infection
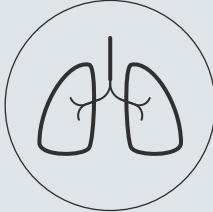
Gastrointestinal infection

Hospital-acquired infection

Human papillomavirus infection

Sexually transmitted infection

Tuberculosis

Meningitis

Accessibility

All Seegene's syndromic assays are available in a AIOS system

High compatibility
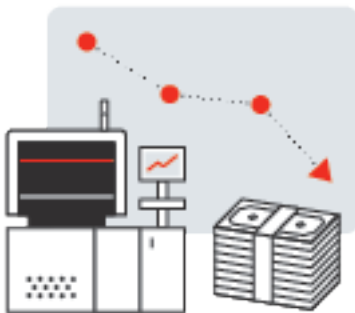Application of all Seegene's assays and extraction kits

Test expandability
Application of Seegene's newly developed products

Affordable

Adoption of a full automation system with a low budget
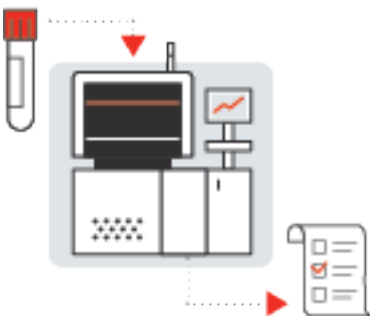
Cost-efficient
More economical than purchasing other automated systems

Field upgrade available
Field upgrade with user's Seegene STARlets & CFX96s

Simple-to-use

Easy operation & maintenance

Fully automated workflow (Sample-in, Result-out)
Automation process from extraction to data analysis

Reduced hands-on time
Minimized contamination and human error
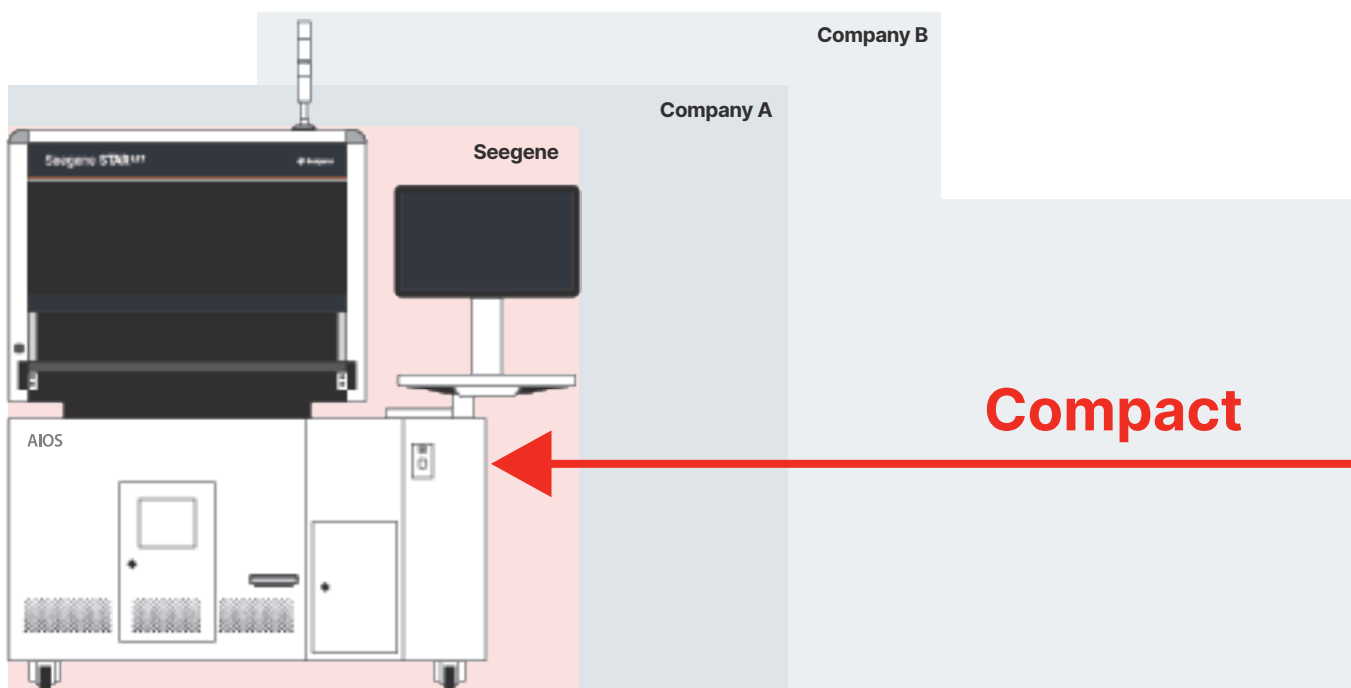
Space-efficient

Optimized for all hospitals & C-labs

Workflow in limited space

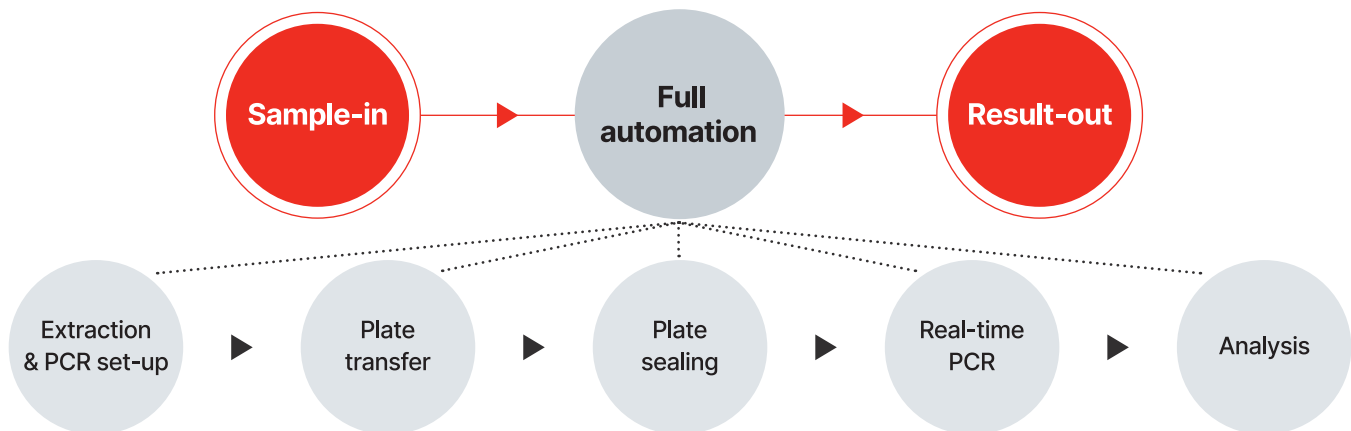As many as 3 units of AIOS can be placed in the same space where a single unit of other system is placed

Compact size

Modular integration of stand-alone molecular testing instruments (1,500 X 800 X 1,780 mm)

Company B

Company A

Seegene

Seegene STARlet

AIOS

Compact

Small foot-print   At least 30~50% less space than the conventional TTA* System (*Task Targeted Automation)

Sample-in → Full automation → Result-out

Extraction & PCR set-up ▶ Plate transfer ▶ Plate sealing ▶ Real-time PCR ▶ Analysis

Hardware

Dimensions	1,500 x 800 x 1,780 mm (W x D x H)
Weight	~ 500kg
Power supply	Operating voltage : 100-240 VAC Operating frequency : 50/60Hz Power consumption: 2,900 W
Environmental requirements (Operating)	Ambient room temperature : 15~30℃ Relative humidity : 15~80% (no condensation) Altitude : <2000m

Software

Operation	AIOS Controller, SG Launcher, SG Viewer
Stastics	SG STATS
LIS	Available

Performance Specifications

Sample loading type	Batch type
Time to first result	<5.6h
Maximum throughput (8.5hrs / 24hrs)*	376 / 1316 *One extraction for two MDx (ex_ Allplex™ Respiratory Panel 1, Allplex™ Respiratory Panel 2)
(7.5hrs / 24hrs)	188 / 752 (ex_ Allplex™ SARS-CoV-2/FluA/FluB/RSV Assay)
Maximum number of tests per run	188 Tests (4 Controls needed to be added)
Maximum number of samples per batch	Maximum 94 Samples / 1~2 Panel Maximum 46 Samples / 3~4 Panel

Ordering information

Product	Unit	Cat. No.
Seegene STARlet-AIOS	EA	SG72100

Automated extraction systems		
Seegene STARlet		67930-03

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