



Seegene STARlet-AIOS

**Get started
with automated molecular testing**

Compact & Complete

Seegene STARlet-AIOS is a compact and complete automation system that maximizes your walk-away time.

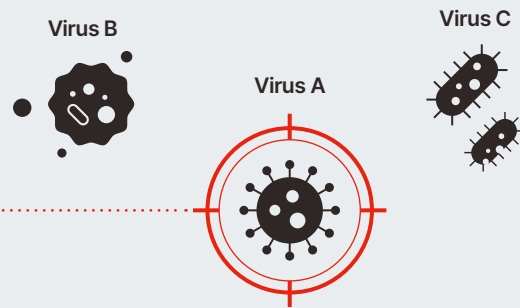
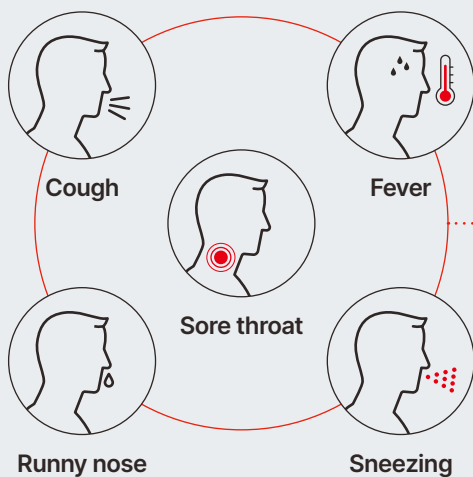
Compatible with all Seegene high multiplex symptom-based assays, this all-in-one system will take your molecular testing to another level.



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

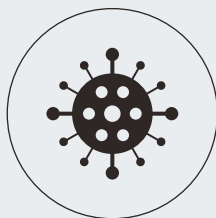
Syndromic testing

Even when similar symptoms are shown,
the causative pathogens can be different.

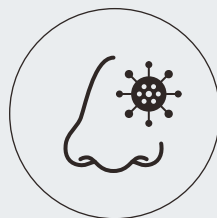


Seegene's syndromic test can pinpoint
the infected one among a wide range
of causative pathogens.

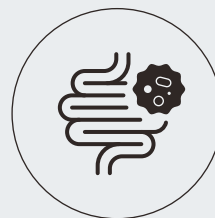
Over 30 Seegene syndromic assays are compatible with Seegene STARlet-AIOS



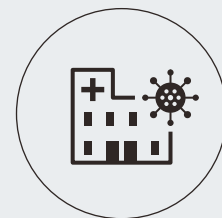
SARS-CoV-2
infection



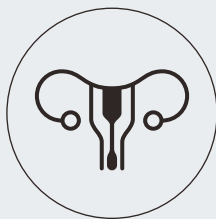
Respiratory
infection



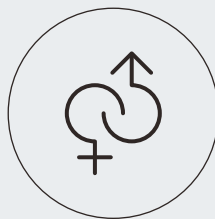
Gastrointestinal
infection



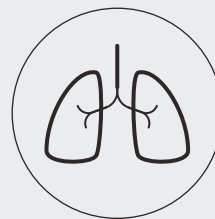
Hospital-acquired
infection



Human papillomavirus
infection



Sexually transmitted
infection



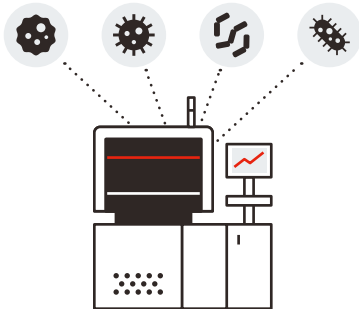
Tuberculosis



Meningitis

Accessible

All Seegene syndromic assays can be applied on its all-in-one system



High compatibility

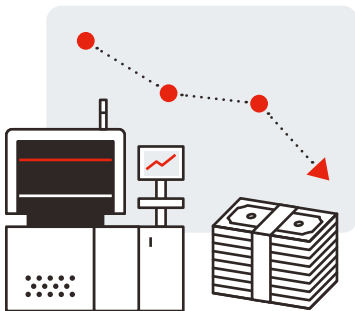
Application of all current Seegene assays

Test expandability

Application of Seegene's newly developed assays

Affordable

Fully automated workflow can be set up at a low cost



Cost-efficiency

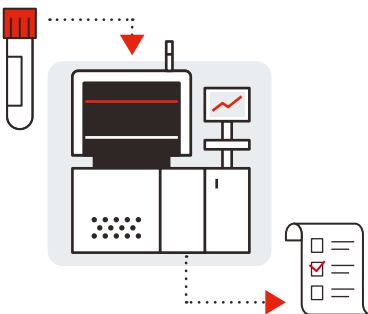
More economical compared to other automated systems

Easy upgrade

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

Simple-to-use

Operation and maintenance are easy



Fully automated workflow (Sample-in, Result-out)

Automated testing process from extraction to data analysis

Reduced hands-on time

Minimized contamination and human error

Flexible

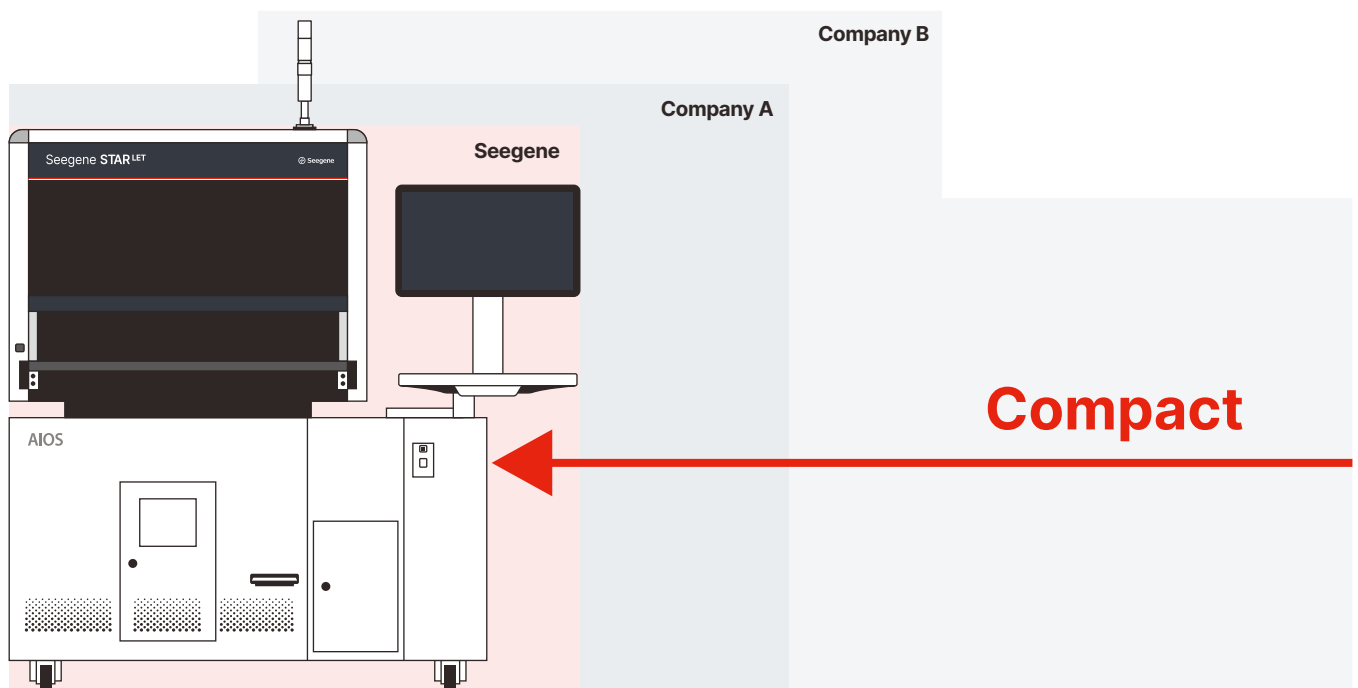
Optimized size for all hospitals & C-labs

Space-efficiency

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

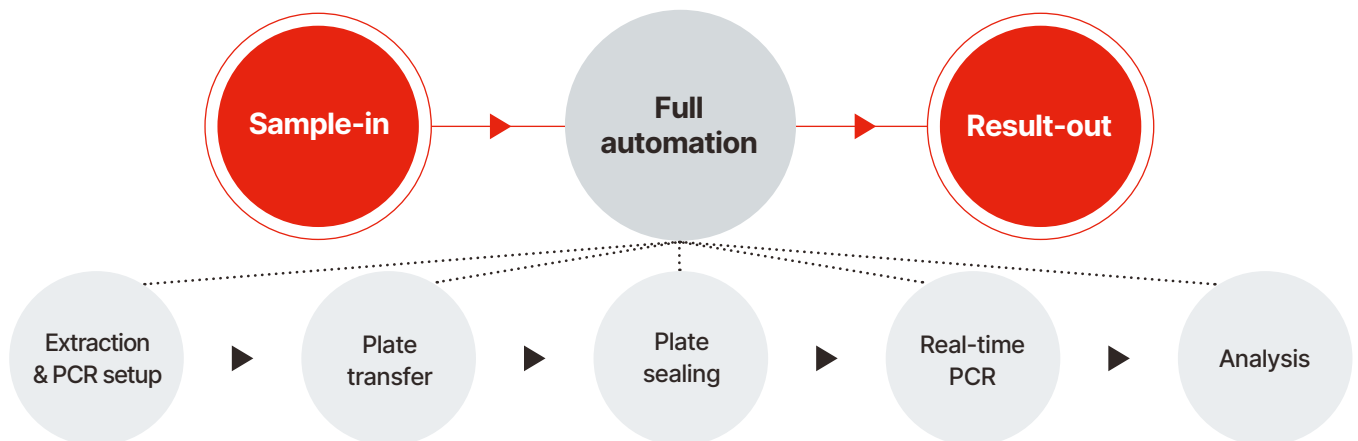
Compact size

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



Small footprint

Consumes 30~50% less space than the conventional TTA* system (*Task targeted automation)



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°C Relative humidity : 15~80% (no condensation) Altitude : <2000m

Software

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

Performance Specifications

Sample loading type	Batch type
Time to first result	<5.6h
Maximum throughput (8.5hrs / 24hrs)* (7.5hrs / 24hrs)	376 / 1316 *One extraction for two MDx (ex_ Allplex™ Respiratory Panel 1, Allplex™ Respiratory Panel 2) 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 system Seegene STARlet		67930-03

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