



CE-IVDR

HAI: Healthcare Associated Infection

HAI Panel Portfolio

Allplex™ MDRO Assay

Combined Testing for Infection Control with Allplex™ Entero-DR Assay

Combined Testing

Infection Control

Operational Value

A combined testing approach supports infection control and surveillance in the face of rising AMR.

Comprehensive solution for Healthcare-associated Infections (HAIs)

Simultaneous detection of 4 high-risk healthcare-associated pathogens and 7 resistance genes using multiplex real-time PCR

Targets*

- OXA-23-like, OXA-24/40-like, OXA-58-like
- OXA-51-ISAb1
- GES
- PER/VEB
- *S. maltophilia*
- *A. baumannii*
- *P. aeruginosa*
- *C. auris*

* Assay contains 11 targets. Results are reported as 8 interpreted calls (5 fluorescence channels).

System

- Seegene NIMBUS / Seegene STARlet
- Seegene STARlet (with CO-RE 96 Probe Head)
- Seegene STARlet-AIOS™
- SEEPREP32™
- Maelstrom™ 9600

Specimen

- Rectal swab
- Skin swab (axilla/groin)
- Oropharyngeal swab (OPS)
- Bacterial colony

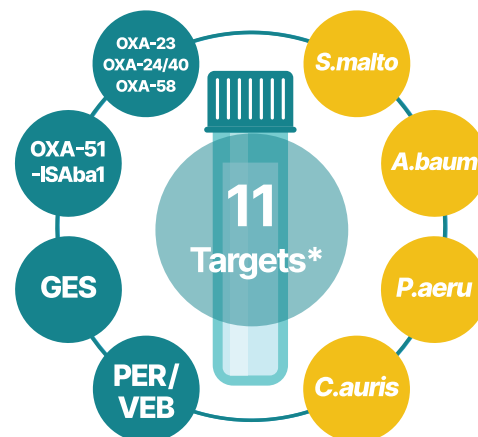
Extraction reagent

Automation

- STARMag96 X 4 Universal Cartridge Kit
- STARMag M96 Kit
- STARMag S96H N Kit
- STARMag 96 Proprep

Manual

- QIAamp® DNA Mini kit
- QIAamp® DSP DNA Mini kit
- GeneAll Ribospin® vRD kit



* Reported as 8 calls (5 channels)

Allplex™ Entero-DR Assay

Simultaneous detection and identification of 8 antibiotic-resistance genes using multiplex real-time PCR

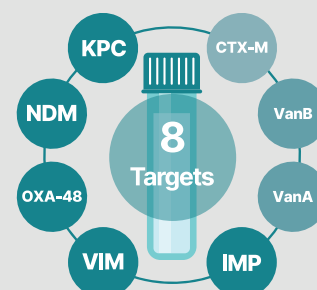
Targets

- CPE (NDM, KPC, OXA-48, VIM, IMP)
- ESBL (CTX-M)
- VRE (VanA, VanB)

Specimen

- Rectal swab
- Bacterial colony

✓ HAI Combined Testing



Pair with Allplex™ MDRO Assay to expand HAI screening coverage.

Gold-standard: Enteric AMR genes

> Allplex™ Entero-DR Assay

Expansion: Enteric + non-enteric + high-risk MDROs

> Allplex™ MDRO Assay & Allplex™ Entero-DR Assay

Faster decisions (same-day)

- Faster isolation and cohorting decisions
- Timely de-isolation with negative results

Lower patient & staff burden

- Reduces unnecessary isolation days and associated burden

Higher hospital efficiency

- Improve bed utilization and workflow efficiency
- Standardize surveillance and outbreak response



Why it matters

Same-day infection-control decisions

Move the decision point earlier:

Guideline-aligned flexibility. Same-day results in <4.5 hours.

1



Identify Scenario

- Admission • Routine surveillance • Outbreak

2



Run Combined Testing

- Rapid classification (same day)

3



Take Action

- Isolate / Cohort / De-isolate (per policy)

Efficient Workflow



PCR-based primary screening:

1

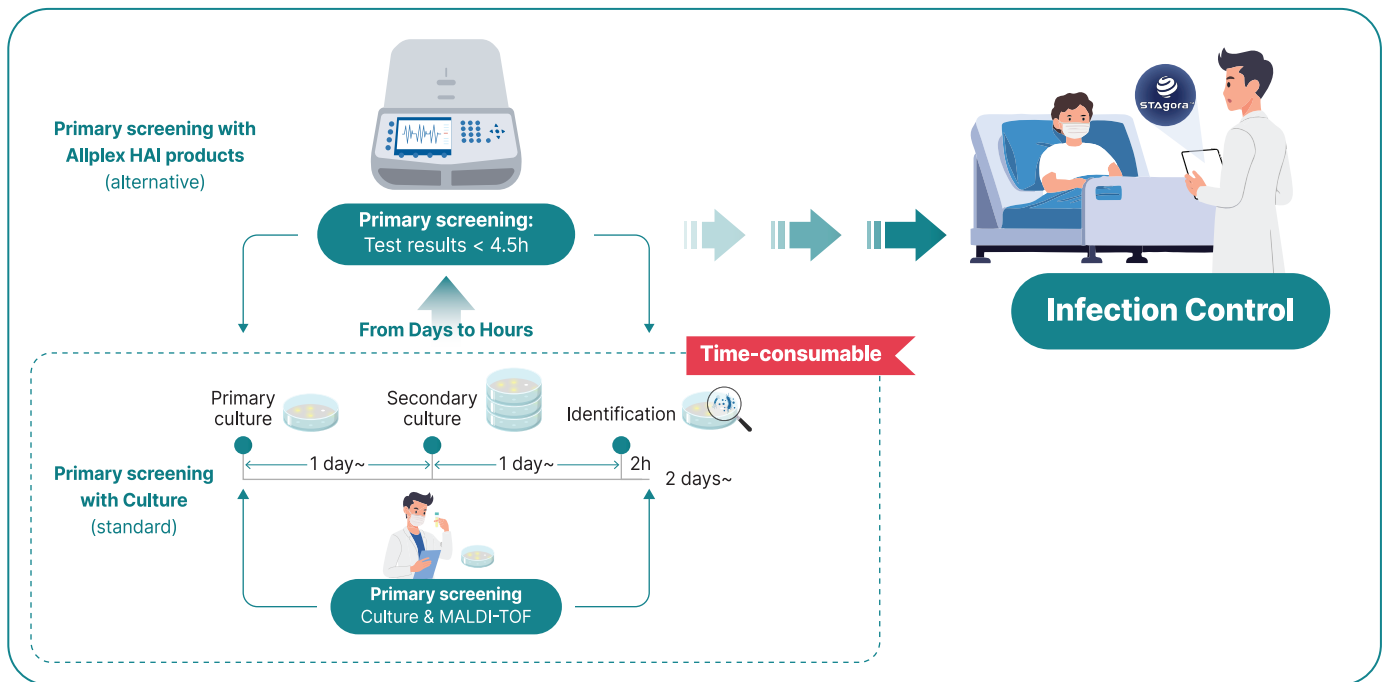
Early resistance intelligence,

2

Avoid unnecessary culture testing,

3

Faster, smarter decision



Value outcomes

Lower patient burden & Higher hospital efficiency

Lower patient burden

• Faster rule-out enables earlier de-isolation and smoother patient flow.

Most frequent action
No isolation: 41.7%¹⁾

De-isolation enabled
End isolation: 17.6%²⁾

Higher hospital efficiency

• Less isolation. More capacity. Faster containment.

Infection Control

Faster cohorting & de-isolation¹⁾³⁾

Lab

Reduced culture burden³⁾

Management

Improved bed & staff utilization¹⁾

Benefits of MDx in HAI Screening

Early clinical decision-making ¹⁾³⁾

Rapid multiplex PCR → early isolation/cohorting decisions



Lower patient burden ²⁾⁴⁾

Less anxiety & discomfort → clearer infection status → higher patient satisfaction



Efficient Infection Surveillance & Early Intervention ⁵⁾⁶⁾

Routine PCR → continuous surveillance + pre-emptive infection



Higher hospital efficiency ⁷⁾⁸⁾

Lower unnecessary costs → better resource & staff utilization



1) Soriano et al., Rev Esp Salud Publica 2023

2) P. Hannus et al., Eur J Clin Microbiol Infect Dis 2020

3) Peracchi F et al., Microorganisms 2025

4) Soriano et al., Rev Esp Salud Publica 2023

5) Peracchi F et al., Microorganisms 2025

6) Rio et al., Int J Environ Res Public Health 2022

7) Soriano et al., Rev Esp Salud Publica 2023

8) Peracchi F et al., Microorganisms 2025

Ordering information

Product	Size	Cat. No.
Allplex™ MDRO Assay	25 rxns 100 rxns	MR10288Z MR10289X

Product	Size	Cat. No.
Allplex™ Entero-DR Assay	25 rxns 100 rxns	CR10384Z CR9700X

Instrument	Cat. No.
Seegene STARlet	67930-03
Seegene STARlet with CO-RE 96 Probe Head	
Seegene STARlet-AIOS™	SG72100
Seegene NIMBUS	65415-03
SEEPREP32™	SG71100
Maelstrom™ 9600	M9600

Extraction kit	Cat. No.
STARMag 96 X 4 Universal Cartridge Kit	744300.4UC384
STARMag™ S96H N Kit (480T)	EX00036P
STARMag™ S96H N Kit (960T)	EX00037P
STARMag™ 96 ProPrep (Plate Type)	EX00009P
STARMag™ 96 ProPrep (Tube Type)	EX00009T
STARMag™ M96 Kit (96T)	EX00029P
STARMag™ M96 Kit (960T)	EX00030P

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