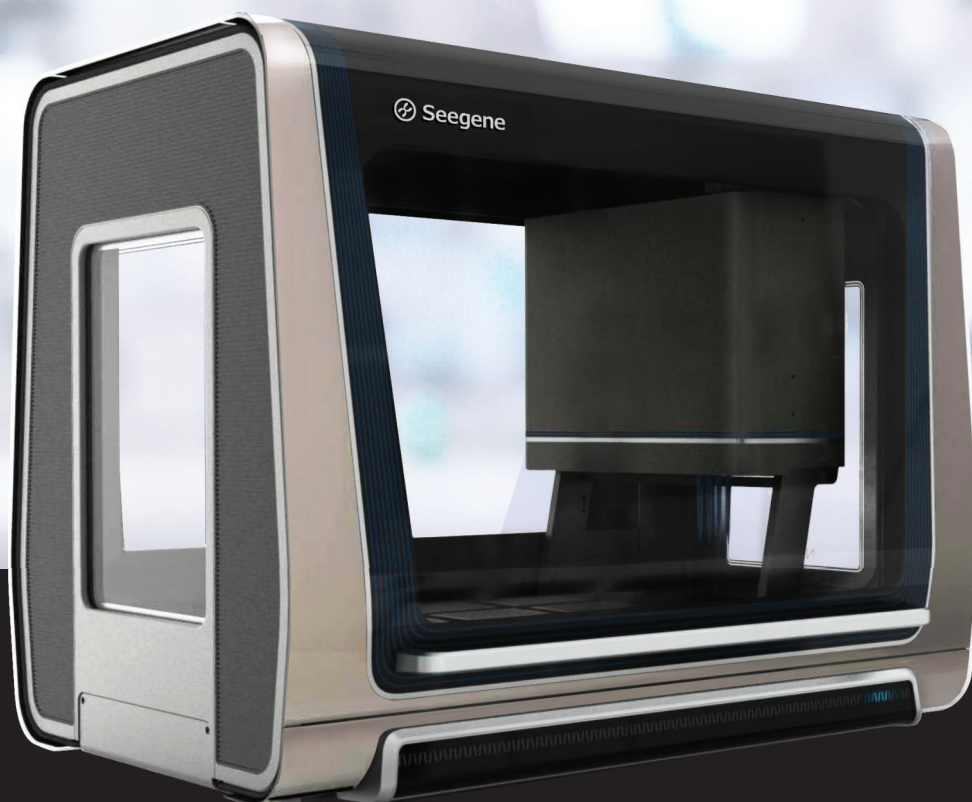




Seegene NIMBUS

Automated Workstation for Nucleic Acid Extraction and PCR Setup

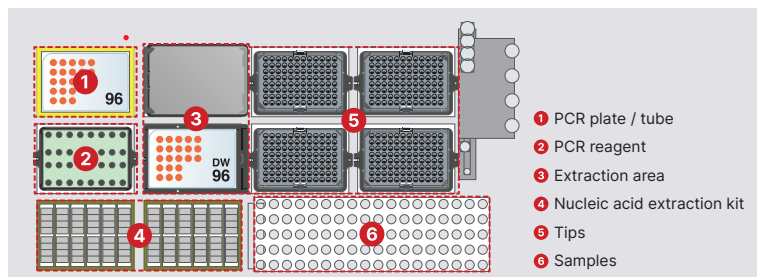
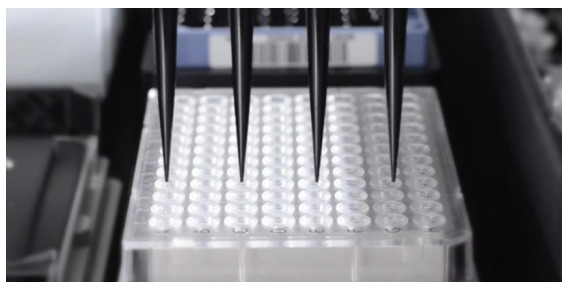
Seegene NIMBUS

Seegene NIMBUS is an easy-to-use liquid handling workstation from primary sample tube to nucleic acid extraction, and PCR Setup. This provides convenience of processing to your lab work by minimizing hands-on time and maximizing assay reliability.

- Minimized hands-on time
- Manual pipetting is unnecessary
- Processing up to 72 samples in 3 hours is achievable
- A UV lamp and cover are installed to reduce contamination
- Barcode scanning with a handheld device
- Increased space efficiency with a compact size

Suitable for multiple capabilities from various samples at once

- A streamlined workflow from extraction to PCR setup allows for the simultaneous processing of up to 72 samples
- Use the limited bench space effectively to complete 1 to 72 samples



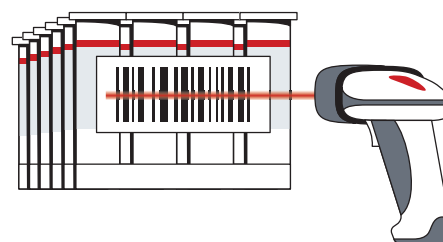
Efficient workflow solutions

- Efficient workflows are achievable with Seegene Launcher
- Incorporates a diverse assortment of Seegene's assays and extraction kits to provide highly customized testing solution

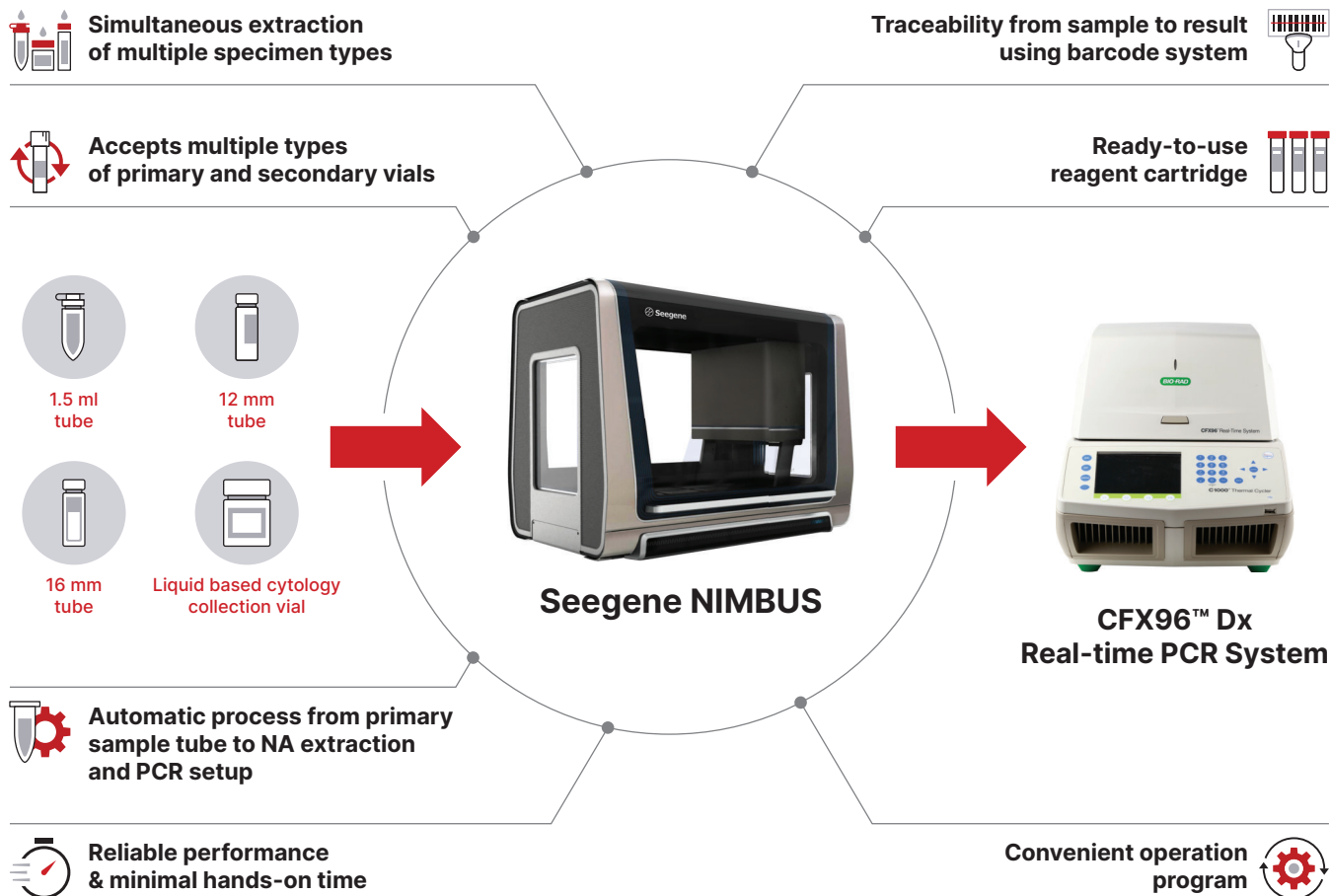


Using barcodes to automate tracking and monitoring

- Using barcodes to track samples ensures complete traceability, with accurate confirmation of reagent volume



Easy-to-use One-step process



Detail steps

1. Sample preparation

- Applicable sample: 1.5ml tube, 12mm tube, 16mm tube and liquid based cytology collection vial (e.g., ThinPrep®, SurePath™, Cellpreserve®)

2. Nucleic acid extraction

- A capacity of 1 to 72 samples
- Ready-to-use reagent cartridge
- Easy preparation with a dedicated program guide

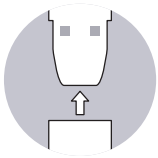
3. PCR setup

- Performing up to 4 assays simultaneously
- No manual pipetting required

4. PCR run

- Performing PCR reactions using LIMS (.plrn) file generated by Seegene Launcher

High-tech solutions to ensure a reliable and precise performance



Prevent leakage by using CO-RE* technology

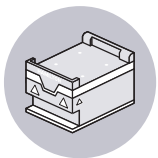
The CO-RE I, II technology ensures that tips are aligned more precisely, reducing the risk of collisions. Additionally, it aids in accurately picking up the different sizes of disposable tips.

*CO-RE: Compressed O-Ring Expansion



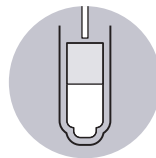
CO-RE Gripper allows for additional movements

The gripper aids in the efficiency of testing processes by making it possible to move the plate to different positions for extraction and PCR setup.



Heater shaker

The HHS (Hamilton Heater Shaker) automates the heating and shaking of ANSI/SLAS footprint microplates. Multiple units may be integrated and connected for higher throughput applications. Various interchangeable adapters for users guarantee optimal heat conductivity for all labware.



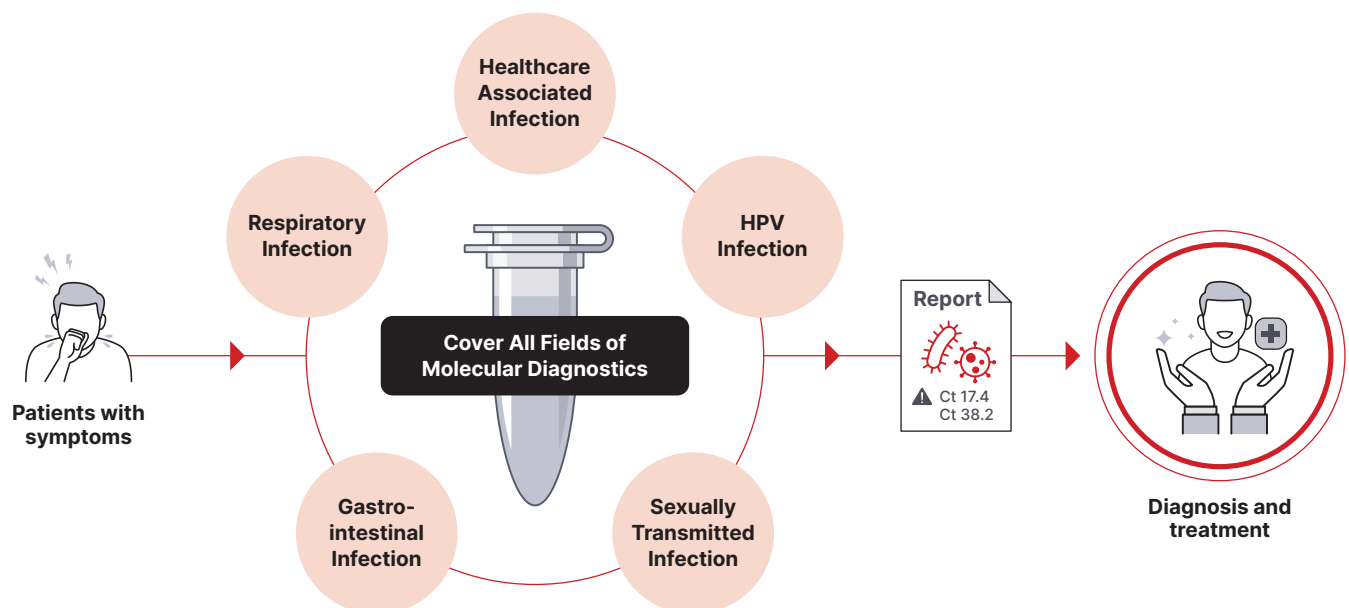
Using cLLD** function for accurate aspirations

It is possible to detect the surface of any liquid with the help of conductive liquid level detection functions. Aspiration accuracy and reagent loss can be improved by detecting different sample volumes and remaining reagents.

**cLLD: Capacitive Liquid Level Detection

Syndromic qPCR testing through streamlined process

- Identifies multiple pathogens and co-infections
- Provides quantitative information for decision support



Specification

Power input	100-240 VAC, 50-60 Hz, 5 A
Power consumption	Maximum 600 W
Dimensions	1041 (W) x 673 (D) x 800 (H) mm (41 x 27 x 32 inch) (When the door is open, the height is 1230 mm (49 inch))
Weight	101.4 kg (223.5 lb)
TAT for NA extraction and PCR setup	1hr 55min to process 40 samples 3hr 00min to process 72 samples
Pipetting channel	4 channels
Dispensing accuracy (300 µL Tip)	10 µL: 3%, 50 µL: 1.5%, 300 µL: 1%
Dispensing precision (300 µL Tip)	10 µL: 2%, 50 µL: 1%, 300 µL: 1%
Operating software	Seegene Launcher
Data transport	LIS (Available)
Regulation	CE-IVDR

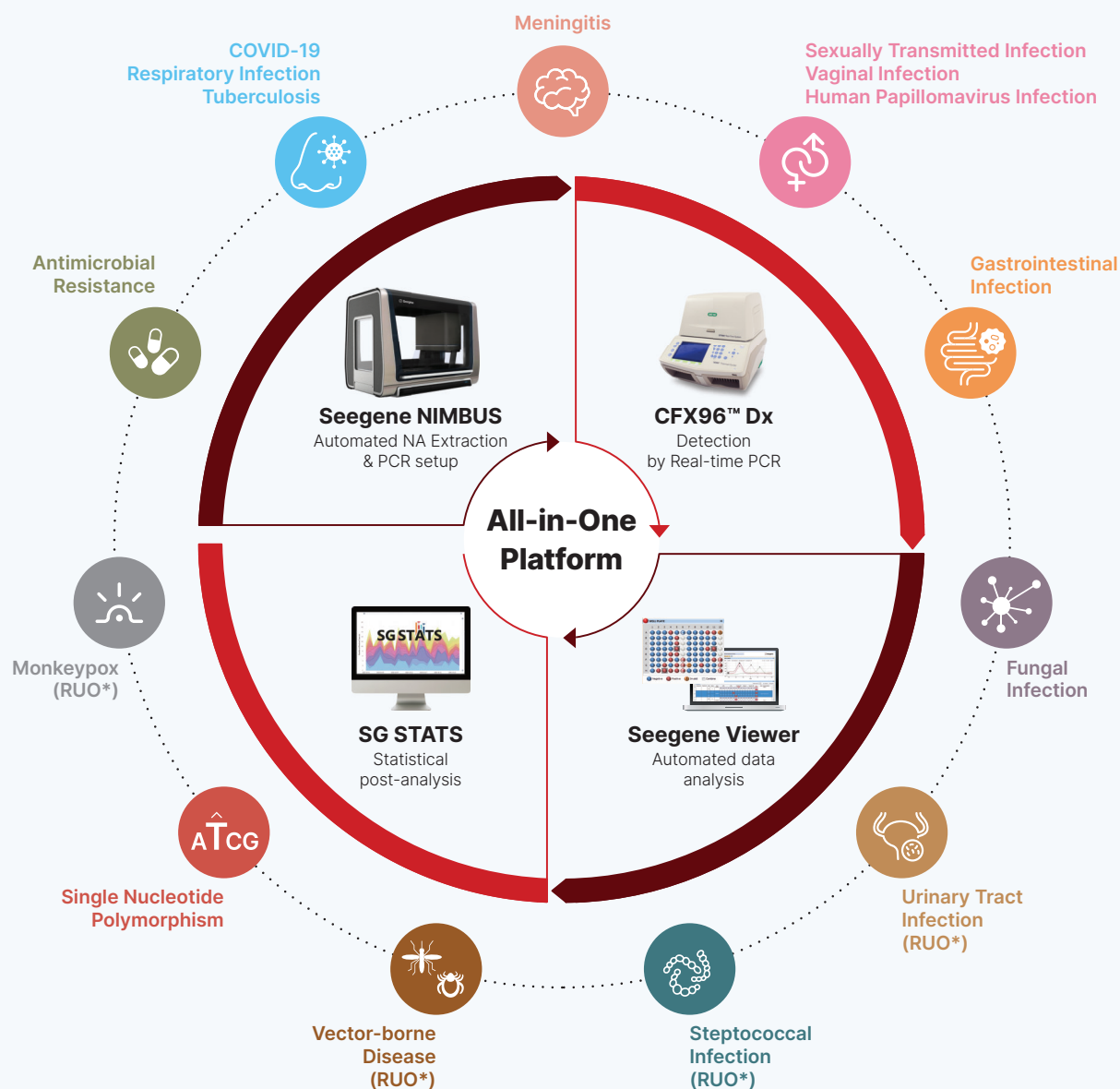
Sample rack

Sample rack	Sample tube type				Capacity
	1.5 mL	12mm	16mm	LBC	
32 Sample rack	O	O	-	-	Up to 40 samples
5 x 12 Sample rack	O	O	O	-	
5 x 18 Sample rack	O	O	O	-	Up to 72 samples
LBC RACK FOR NIMBUS	-	-	-	O	Up to 24 samples

Ordering information

Category	Product	Cat. No.
Relate instruments	Seegene NIMBUS	65415-03
	Seegene STARlet	67930-03
	CFX96 Dx System	1845097-IVD (Optical reaction module)
		1841000-IVD (Thermal cycler)
Nucleic acid extraction reagents	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
Consumables	High Volume Tips (1,000µL)	235905
	Standard Volume Tips (300µL)	235903
	1,000µL conductive filter tips in blister-5	49009-0105
	300µL conductive filter tips in blister-5	49008-0105
	NIMBUS-Waste Bag	65803-01
	96 Deep Well Micro Plate	SDP0096

All-in-One platform for broad multiplex MDx assays



*RUO: Research Use Only

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