

Liquid handling work-station for automated nucleic acid extraction and PCR setup

Seegene NIMBUS and Seegene STARlet are automated pipetting workstations with magnetic bead based nucleic acid extraction and PCR setup.

These systems provide convenience in your lab work by minimizing hands-on time and its innovative technology delivers high performance and reliability.



SEEGENE NIMBUS and SEEGENE STARLET AUTOMATED SYSTEMS

FOR EXTRACTION

Seegene Launcher



Seegene NIMBUS

Seegene STARlet

REAL-TIME PCR



AUTOMATED DATA ANALYSIS



Seegene Viewer Software

FEATURES

- Automatic process from primary sample tube to NA extraction and PCR setup
- Reliable performance & minimal hands-on time
- Applicable multiple primary & secondary vial types
- Traceable from sample to result using barcode system
- Applicable to LIS connection
- Convenient operation program
- Ready-to-use reagent cartridge

SAMPLE TYPES

- Whole Blood
- Serum
- Plasma
- Cells
- Sputum
- Stool
- Cary-Blair
- CSF
- Urine
- UTM
- LBC (Liquid based cytology sample)
- Swabs (Nasopharyngeal, vaginal, cervical, urethral, rectal)
- Aspirate (Nasopharyngeal)
- BAL (Bronchoalveolar lavage)

AUTOMATED SYSTEMS WORKFLOW

STEP 1:

Prepare PCR kits, extraction kits, and consumables.

STEP 2:

Follow work instructions on Seegene Launcher for extraction and PCR setup using Seegene NIMBUS/STARlet.

STEP 3:

After extraction, seal plate and place in Bio-Rad CFX96 Dx/Touch/Opus for real-time PCR results.

COMPATIBLE INSTRUMENTS

Seegene STARlet	Seegene Nimbus
8 channels	4 channels
Extraction throughput: 96 samples in 2.5 hours	Extraction throughput: 40 samples in 1.6 hours 72 samples in 2.5 hours
Positional accuracy: 0.1 mm on X-Y-Z	Dispensing accuracy (when using 300 µL tip) 10 µL: 3%, 50 µL: 1.5%, 300 µL: 1%
44.25 (W) x 31.3 (D) x 33.55 (H) in	41 (W) x 26.5 (D) x 31.5 (H) in
Weight: 223.55 lbs	Weight: 297.62 lbs
Maximum Power consumption: 600 W (depending on configuration)	Maximum power consumption: 600W

Seegene Launcher	Seegene Viewer Software
User-friendly interface	User-friendly interface
Multi-assay PCR setup	Simultaneous analysis for multiple assays
Applicable for multiple sample types	Automated data interpretation
Reagent traceability	Optimized for Seegene technology
LIS connectivity (including HL7)	LIS connectivity (including HL7)

Bio-Rad CFX96 Dx/Touch/Opus
Sample capacity: 96
Temp. Range: 0 – 100°C
Maximum Ramp Rate: 5°C/sec
Average Ramp Rate: 3.3°C/sec
Detection Channel: 6
Dimensions: Dx/Touch: 13 (W) x 18.11 (D) x 14.17 (H) in Opus: 13 (W) x 22.05 (D) x 14.17 (H) in
Weight: Dx/Touch: 46.3 lbs • Opus: 48.5 lbs
Maximum power consumption: 850 W

ORDERING INFORMATION

Seegene Launcher	
Seegene STARlet	67930-03
Seegene Nimbus	65415-03
Seegene Launcher	–
Seegene Viewer Software	–
CFX96 Dx/Touch/Opus	Purchase from Bio-Rad*

*The CFX96 Dx/Touch/Opus instrument is to be purchased directly from Bio-Rad. Seegene does not distribute the instrument in the US. Please contact bio-rad for ordering information.

