

# GS1 System

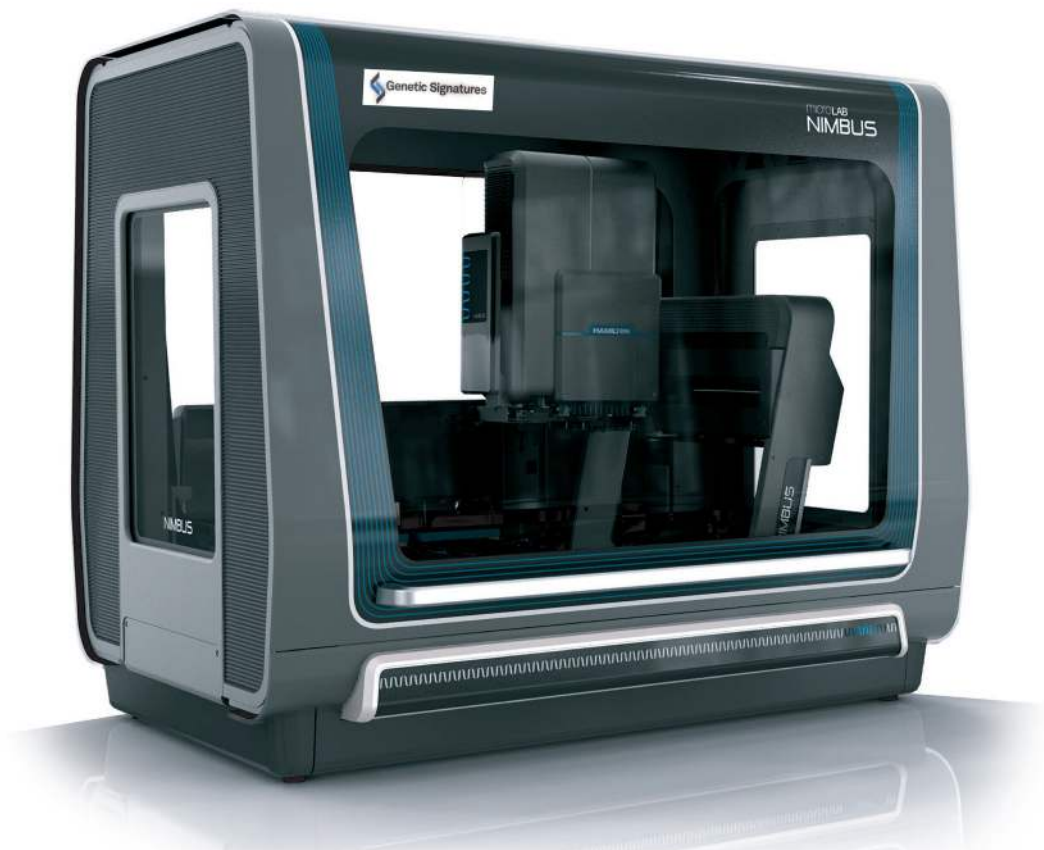
- Flexible
- Compact
- User friendly

**Medium to high-throughput system supporting Genetic Signatures' range of unique 3base™ assays for detecting infectious disease**

- » Performs both sample preparation and PCR setup
- » Fast sample processing of up to 94 samples
- » Validated with both 96 and 384-well PCR setup on one platform

## Key benefits

- » Compatible with all 3base™ assays
- » Wizard-driven interface promotes ease of use
- » Full sample traceability
- » Automated workflow allowing for increased walk-away time
- » Improved efficiency and increased workflow



Our scientifically trained Technical Support Team work closely to provide superior support for our customers, including demonstrations, training, installations, trouble shooting and ongoing customer service



## A unique, integrated sample processing solution

The GS1 is a uniquely customised 4-channel liquid handling instrument. The deck and liquid handling programs are compatible with all Genetic Signatures Sample Processing and 3base™ assays\*, enabling flexible medium and high-throughput workflow solutions by combining nucleic acid extraction and PCR setup on one platform.

## Flexible solutions for every laboratory

- » Performs both sample extraction and PCR set up for up to 94 samples in 96 and 384-well plates
- » Universal sample processing regardless of sample type
- » Configurable panels to suit your testing requirements
- » Adaptable workflow with multi-batch capabilities

## Systems traceability

- » System software supports sample traceability
- » Barcoding supports sample tracking and Laboratory Information Management System (LIS / LIMS integration)

## User friendly

- » Minimal training requirements
- » Wizard-driven interface supports step-by-step use
- » Integrated software can be adapted to user needs
- » On-board automated UV decontamination

## Minimise wastage

- » Programming designed to only prepare reagents for the required batch size
- » Low reagent dead volume

Instrument configuration	Hamilton Microlab® Nimbus® pipetting workstation
	4-channel pipetting
	Barcode scanner
	Customised deck configuration
	Automated UV decontamination (10-60 minutes)
	Integrated instrument software
	Microsoft Windows 10 Operating System
Operating environment	Temperature: 15°C to 35°C (59°F to 95°F)
	Humidity: 30% to 80% RH non-condensing
	Altitude: 0 - 2000 m above sea level
Dimensions	W x D x H: 41.2 in (104.6cm) x 27.9 in (70.9 cm) x 32.7 in (83.1 cm)
	Weight: 220 lb (100 kg)
Power requirements	100-240 VAC, 50-60 Hz, 5A
	Meets standard power supply requirements (1x power supply socket required)
Pipetting	Capacitive Liquid Level Detection (cLLD) and Pressure Liquid Level Detection (pLLD) 50µl, 300µl, and 1000µl disposable capacitive tips used
Communication types	Ethernet
	USB
Waste management	Minimal liquid waste
	Disposable plastics discard
Instrument maintenance	Daily maintenance (approximately 5 minutes hands-on)
	Weekly maintenance (approximately 10 minutes hands-on)
	Cleaning during maintenance using GS-Clean
	6-monthly scheduled Preventative Maintenance



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