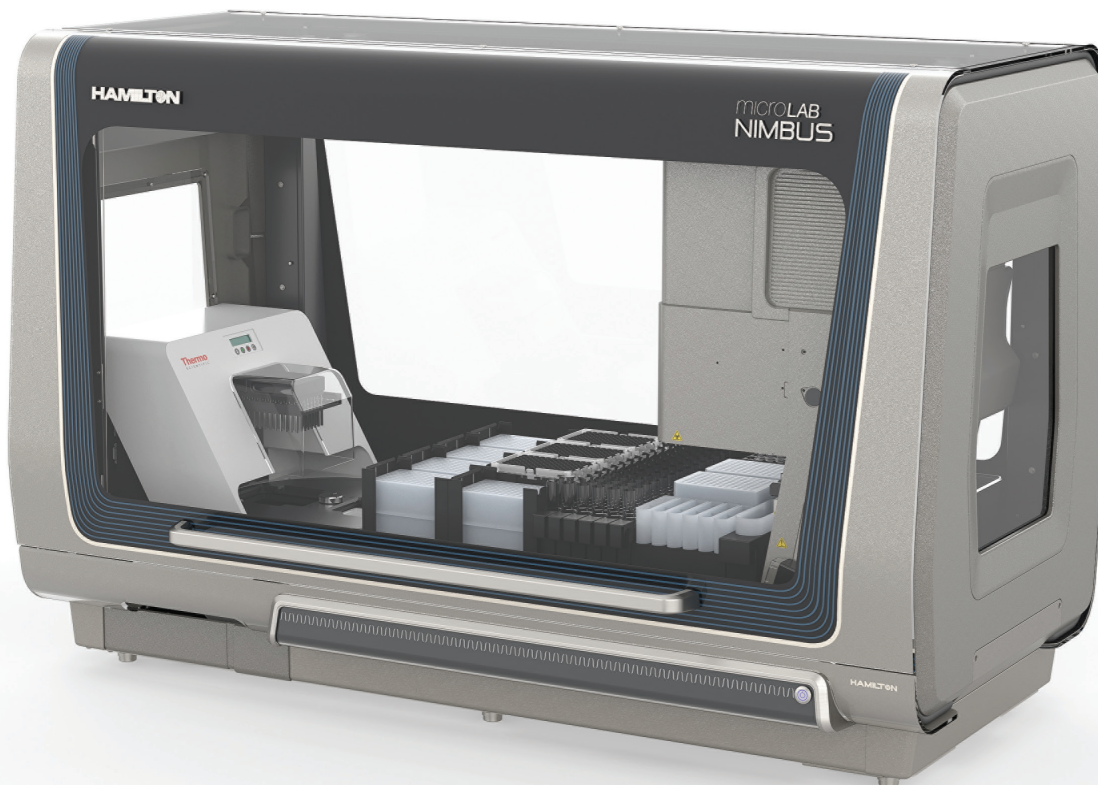# NIMBUS® Presto
## Because Nucleic Acid Extraction is Key



**Integrated**
KingFinisher™ Technology

**Efficiency**
Time-saving, due to parallel-processing

**Compact**
Small footprint saves lab space

# Compact Efficient High- Throughput Automation

NIMBUS Presto with KingFisher™ technology is a fully-automated sample extraction solution for achieving high-quality nucleic acid and protein purification. NIMBUS Presto combines the Microlab NIMBUS for automated liquid handling with an integrated Thermo Fisher Scientific™ KingFisher™ Presto, resulting in a powerful tool for sample purification.

Utilizing proven KingFisher™ magnetic particle-based technology to provide high-quality yields of target nucleic acids and proteins, the compact footprint of NIMBUS Presto is optimized for automated workflows and saves space in your lab. The KingFisher™ Presto offers interchangeable magnetic heads for processing 24- or 96 - well plates. A dual-position turntable allows for the processing of one plate with the magnetic head while the NIMBUS simultaneously prepares and transports another plate to the KingFisher™ Presto, using CO-RE® Grippers. This parallel-processing capability results in an increase in both throughput and walk-away time. NIMBUS Presto is a flexible solution for a wide variety of applications, through-put, and reagent needs. Extracting 96 or 24 samples at a time with a volume range of 50 – 5000 µL, NIMBUS Presto is capable of DNA, RNA, cfDNA, and protein extraction from various sample types.

Each nucleic acid extraction method is optimized and qualified in collaboration with important research centers and industry-leading partners.

- Fully-automated Nucleic Acid Extraction and Protein Purification
- Barcode Reader for sample tracking
- Integrated plate transports with CO-RE Grippers for plate handling
- Loading area for up to 96 samples from various starting materials (blood, saliva, FFPE, etc.)
- Qualified methods

## Specifications

### Physical Dimensions

| Description | Measurement |
| --- | --- |
| Length | 135.9 cm |
| Width | 70.9 cm |
| Height | 83.1 cm |
| Height with open door | 124 cm |
| Weight | 136 kg approx. |

### Pipetting Volumes Specification

| Tip Size | Precision CV (%) |
| --- | --- |
| 50 µL | 1 µL Volume ([R] 5%; CV 4%) |
| 300 µL | 50 µL Volume ([R] 2%; CV 0.75%) |
| 1000 µL | 100 µL Volume ([R] 2%; CV 0.75%) |

### Pipetting Channels Specification

| Description |
| --- |
| CO-RE Technology |
| Independent Channels |
| capacitive Liquid Level Detection (cLLD) |
| pressure Liquid Level Detection (pLLD) |
| Tip Type Detection |

### System Specification

| Description | |
| --- | --- |
| Temperature | +15 - +35 °C |
| Humidity | 15% - 85% with no condensation |
| Altitude | 0 - 2000 m above sea level |

### Ordering Configurations

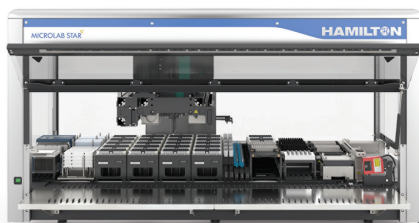| Description | Units | Part Number |
| --- | --- | --- |
| A) NIMBUS Presto Base + Barcode Reader + CO-RE Grippers | 1 | 49000-38 |
| B) Standard Win 10 PC US + USB Upgrade Kit | 1 | 10113952 |
| C) Sample Loading Options | | |
| L-Tube Carrier | 6 | 6601692-01 |
| S-Tube Carrier | 6 | 6601693-01 |
| Carrier, STD 6T, NIMBUS HD | 1 | 6602910-02 |
| Pedestal, DWP, NIMBUS HD | 4 | 6602801-02 |
| D) KingFisher™ Presto Instrument | | |
| KingFisher™ Presto 96-Well Head | | 10102396 |
| KingFisher™ Presto 24-Well Head | | 10102428 |

### Ordering Configurations (Optional)

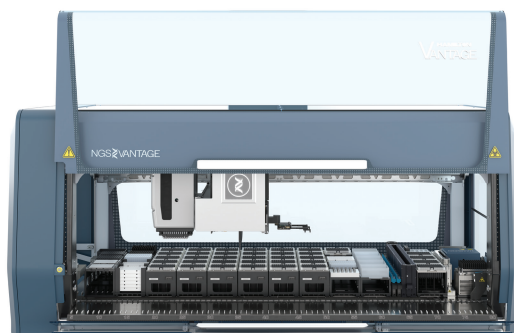| Description | Units | Part Number |
| --- | --- | --- |
| Hamilton Labware | | |
| 50 µL Filter Tips | | 235948 |
| 1000 µL Filter Tips | | 235905 |
| 60 mL Reagent Troughs | | 56694-01 |
| 200 mL Reagent Troughs | | 56695-01 |
| Hamilton Accessories | | |
| 2 mL Microtube Inserts for Small Tube Carrier (Set of 32) | 3 | 96822-01 |
| 2 mL Microtube Inserts for Small Tube Carrier (Set of 32) | 3 | 188102 |
| 2 mL Microtube Inserts for Large Tube Carrier (Set of 24) | 4 | 188465 |
| KingFisher™ Presto Heads | | |
| KingFisher™ Presto 96 Well Head | | 10102429 |
| KingFisher™ Presto 24 Well Head | | 10102427 |

# The Hamilton Genomics Squad

### NGS STARlet

- Traceability of samples and reagents
- Minimal hands-on time for almost any NGS library preparation workflow
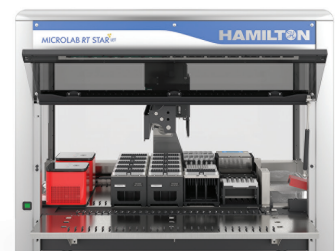- Automated library preparation for high priority samples or smaller sample throughput

### NGS STAR

- Tried and true performance for many years
- Proven design, including qualified methods from many kit providers
- Upgradable to on-deck thermal cycling and higher throughput needs

### NGS VANTAGE

- Temperature control devices meet reagent and sample needs
- Maximum process reliability via intelligent safety lights
- High-throughput library preparation with respect to usability, reproducibility, traceability and safety needs

### RT STARlet

- Manages different qPCR and nucleic acid extraction kits
- Fast sample-to-result in one integrated system
- Magnetic Induction Cycler (MIC4Hamilton) makes your workflow more efficient

**HAMILTON**

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