



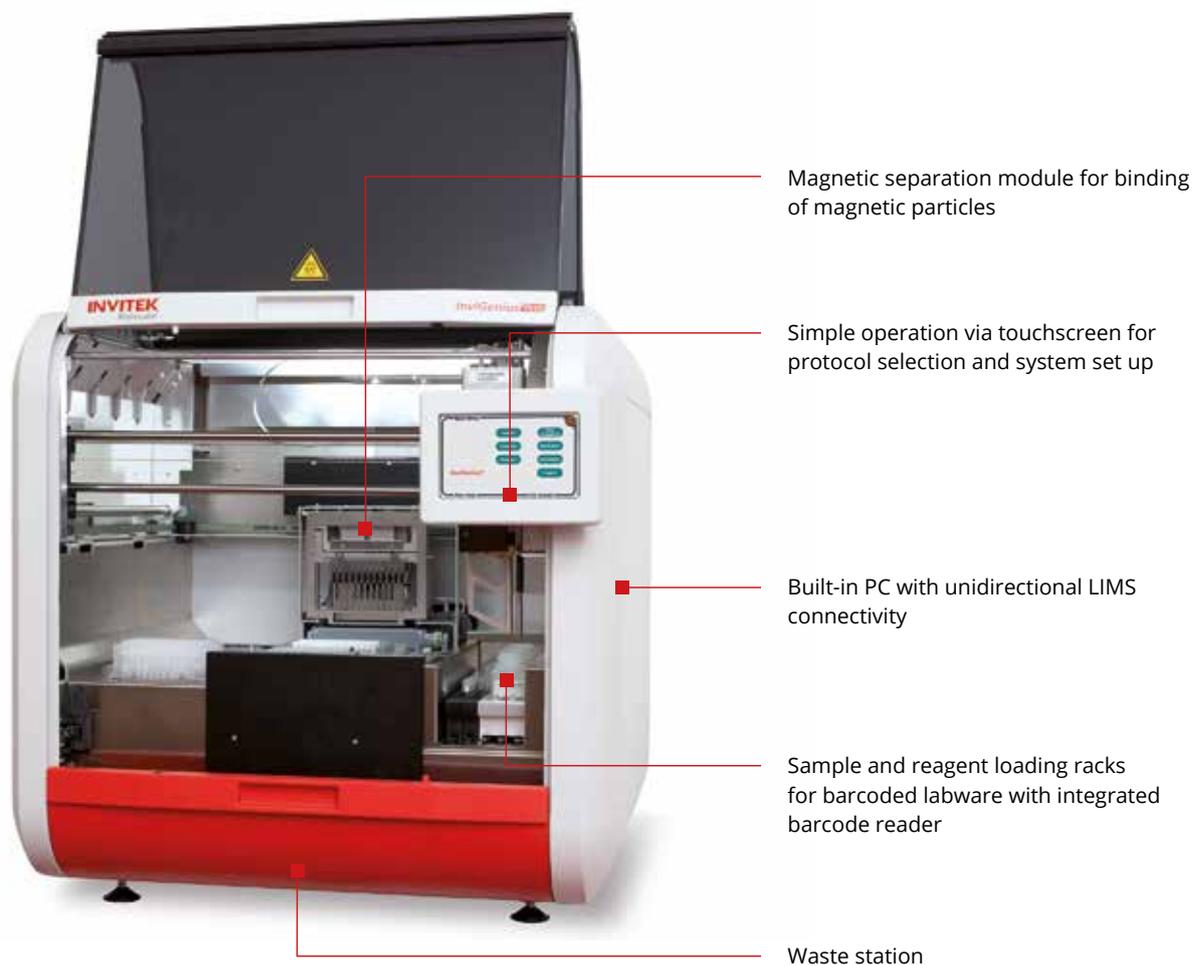
# The InviGenius<sup>®</sup> PLUS

Walk-away DNA/RNA sample preparation

**INVITEK**  
Molecular

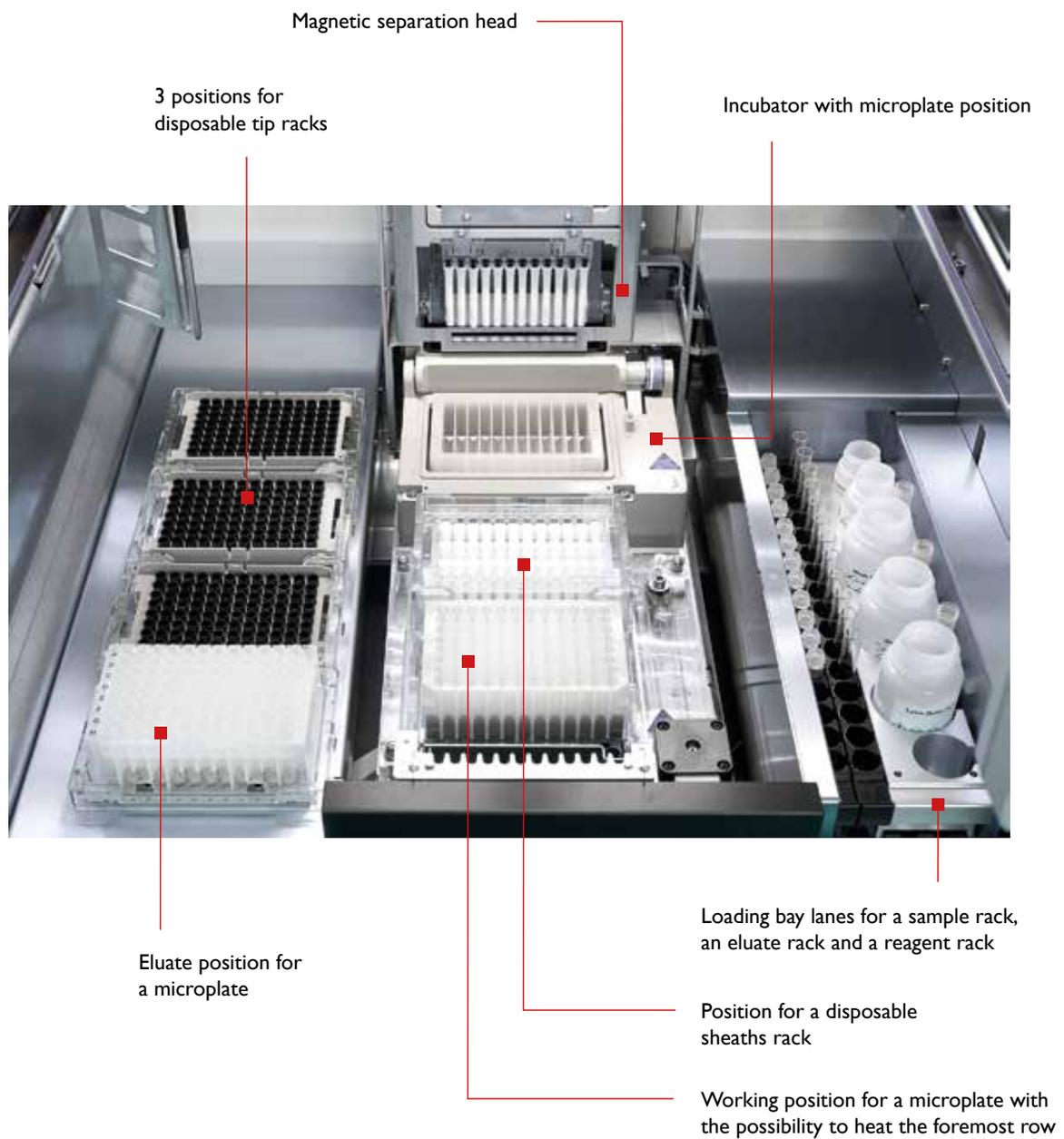
# The InviGenius® PLUS

The InviGenius® PLUS is a fully automated platform for nucleic acid purification that processes up to 12 samples simultaneously using magnetic beads.



The InviGenius® PLUS complies with the Directive 98/79/EC on in vitro diagnostic medical devices (IVD-Directive). Products which are CE-marked according to the IVD-Directive can be used for diagnostic applications in countries where this directive is recognized. The device is not approved by the US FDA.

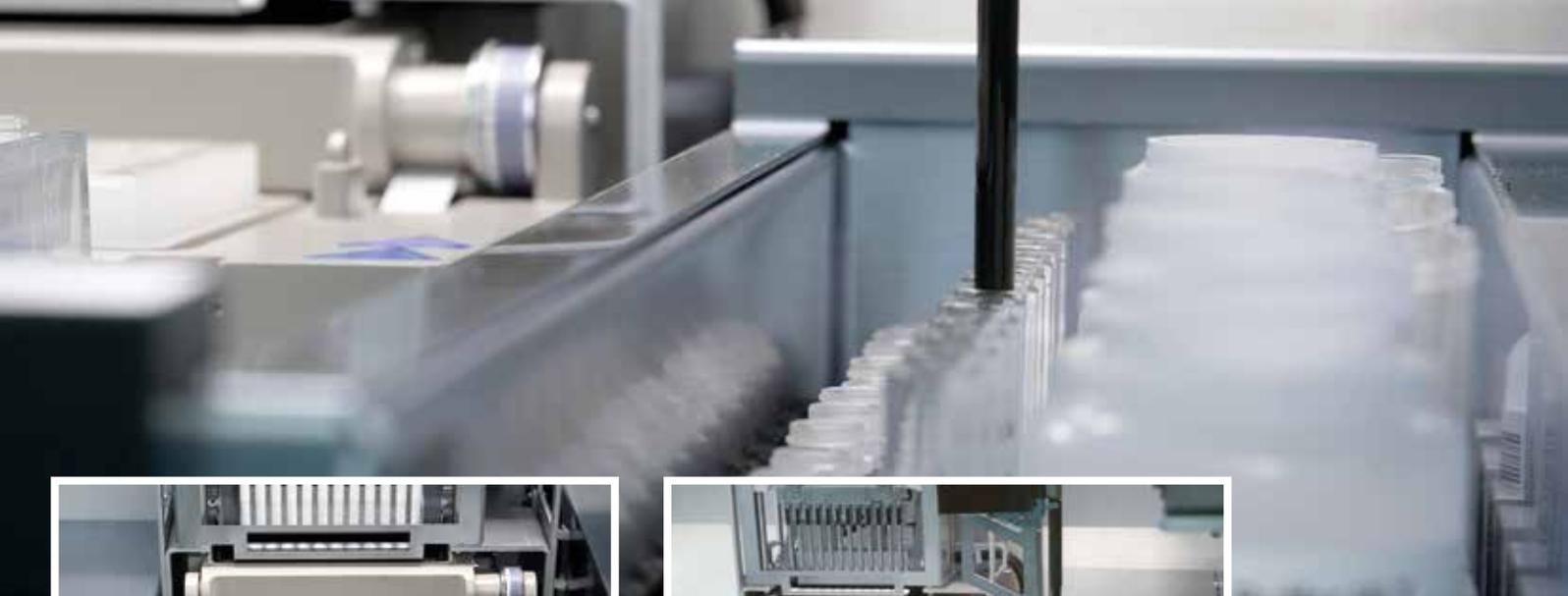
# Deck layout



Deep-well working plate for sample volumes of up to 4 ml



Heat lysis and heat elution for high recovery rates of nucleic acids from demanding samples such as liquid biopsies or virus samples



## InviGenius® nucleic acid extraction kits

Nucleic acid	Starting material	Product name	Catalog number (8 x 12 preps)
Genomic, bacterial, viral DNA & viral RNA	200 µl whole human blood (EDTA, citrate), plasma, serum, cell-free body fluids, rinse liquid from swabs, supernatant from stool suspensions, sputum, BAL, urine	InviMag® Universal Kit/ IG	2450120100
Genomic DNA	200 µl blood (EDTA, citrate)	InviMag® Blood DNA Mini Kit/ IG	2431120100
	2 ml blood (EDTA, citrate)	InviMag® Blood DNA Maxi Kit/ IG	2431320100
	FFPE tissue, fresh biopsy sample, cryosections	InviMag® FFPE DNA Kit/ IG	2432120100
Cell-free DNA	Up to 4 ml plasma, serum, urine	InviMag® Free Circulating DNA Kit/ IG	2439320400
Bisulfite converted DNA	500 pg to 5 µg genomic DNA	InviMag® Bisulfite Conversion Kit/ IG	3030200100
<b>NEW</b> Total RNA	≤ 2.7 ml RNA Exact (SARSTEDT) stabilized whole blood*	InviMag® Blood RNA Exact Kit/IG	2463320100



\*) S-Monovette® RNA Exact blood collection tubes are available from SARSTEDT via article number 01.2048.001 ([www.sarstedt.com](http://www.sarstedt.com))



### Fully automated extraction

Easy handling with only 10 - 15 min hands-on-time. Simply load your samples and reagents into the system, choose your extraction protocol and you have your hands free for other work. A user-friendly, intuitive software and touchscreen interface simplify your DNA/RNA extraction workflow.

### Standardized sample preparation

For molecular diagnostics, the InviGenius® PLUS delivers superior DNA and RNA quality. Barcode supported identification enables tracking of samples and reagents during the entire purification process.

### Wide range of starting materials

The system purifies various target nucleic acids such as cell-free or genomic DNA, pathogen DNA and RNA from demanding samples. Furthermore, the InviGenius® PLUS extracts total RNA from stabilized blood samples using the RNA Exact tubes from SARSTEDT.

### Various applications

The InviGenius® PLUS supports a broad range of extraction applications for oncology, pathology, pharmacogenomics, genetic testing and infectious diseases.

# Specifications

Technical specifications	
Sample volume	200 to 4000 µl (protocol-specific)
Capacity	Up to 12 samples per run
Processing time	60 – 240 min (protocol-specific)
Magnetic rods	12 (plus bottom magnets)
Heating temperature	Heat incubator, up to 95 °C
Computer	MS Windows
User interface	Touch screen
Ports / drives	USB, Ethernet, RS232 / 80 GB hard disc
Decontamination	UV irradiance
Dimensions	75.6 x 80 x 76.5 cm, approx. 76 kg
Type	Stand-alone table top instrument
Pipette tips	1100 µl conductive disposable filter tips
Integrated barcode reader	2/5 Interleaved, Code 39, Code 128, Codabar (ratio >= 2.2:1) max. length of barcode: 20 digits, resolution down to 0.21 mm
Air displacement pipettor	Up to 1000 µl volume range barometric and capacitive liquid level detection
Pipetting precision	Less than 2 % CV at 20 µl, less than 1 % CV at 100 µl

## Ordering information

Product name	Catalogue number	Package size
InviGenius® PLUS	5011102000	1 unit
Waste Tray/ IG (disposable)	5011100100	25 pieces
Sheaths	5011100200	1000 pieces
Sheaths Bundle	5011100300	10 x 48 pieces/ rack
Conductive filter tips, 1100 µl	5011100400	10 x 96 pieces/ rack



Compliance with EU Directive 98/79/EC on in vitro medical devices.  
Not for in-vitro diagnostic use in countries where the EU Directive 98/79/EC on in vitro medical devices is not recognized.

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6G7o16/03/2020

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