

Automated Workstation Pre-NAT II

Fully automated system for nucleic acid extraction and PCR set-up



- Fully automated system for nucleic acid extraction for up to 96 primary samples and pipetting of up to 96 PCRs per run
- Established system for nucleic acid extraction based on magnetic particles
- Versatile further use of PCRs possible
- Precise pipetting with disposable filter tips and efficient and resource - friendly dispensing system for extraction reagents
- User-friendly instrument software with graphic visualisation of all processes
- Excellent service from VIRTUE Diagnostics – your contact for everything from test systems to instruments and software

The **Automated Workstation Pre-NAT II** is a system for fully automated nucleic acid extraction and subsequent pipetting of PCRs. The extraction of nucleic acids is carried out using magnetic particles. These are transferred successively into the automatically dispensed reagents by means of magnetisable metal rods. The liquid handling module then automatically pipettes the required PCRs from the isolated nucleic acids and the PCR reagents.



System

Sample capacity	up to 96 samples
Sample tubes	outer diameter of 12–16mm, height up to 100 mm
Sample material	e.g. blood, smears, urine, hair and skin samples
Barcode identification	automated for sample tubes with all commercial barcode types
Automatic sterilisation	UV light

Pipetting unit

Pipettors	4 pipettors for disposable pipette tips, with liquid level detection
Pipetting volume	4–800 µl, in increments of 1 µl
Accuracy	measurement deviation ±5% (≥4 µl–≤20 µl); ±2% (>20 µl–≤800 µl)
Precision	CV ≤5% (≥4 µl–≤20 µl); CV ≤2% (>20 µl–≤800 µl)
Test capacity	up to 96 PCRs per run

Extraction unit

Extraction kit	NA extraction kit for whole blood, serum, plasma, smears
Method	extraction using magnetic particles
Separation	magnetisable metal rods with disposable sleeves, rotation platform
Liquid level detection	for reagents and liquid waste

Characteristics

Operating system	Microsoft Windows 10 Pro (64 bits)
Language	English
Dimensions/Weight	1510mm × 845mm × 1690mm (W × D × H) / approx. 350kg

Subject to changes