

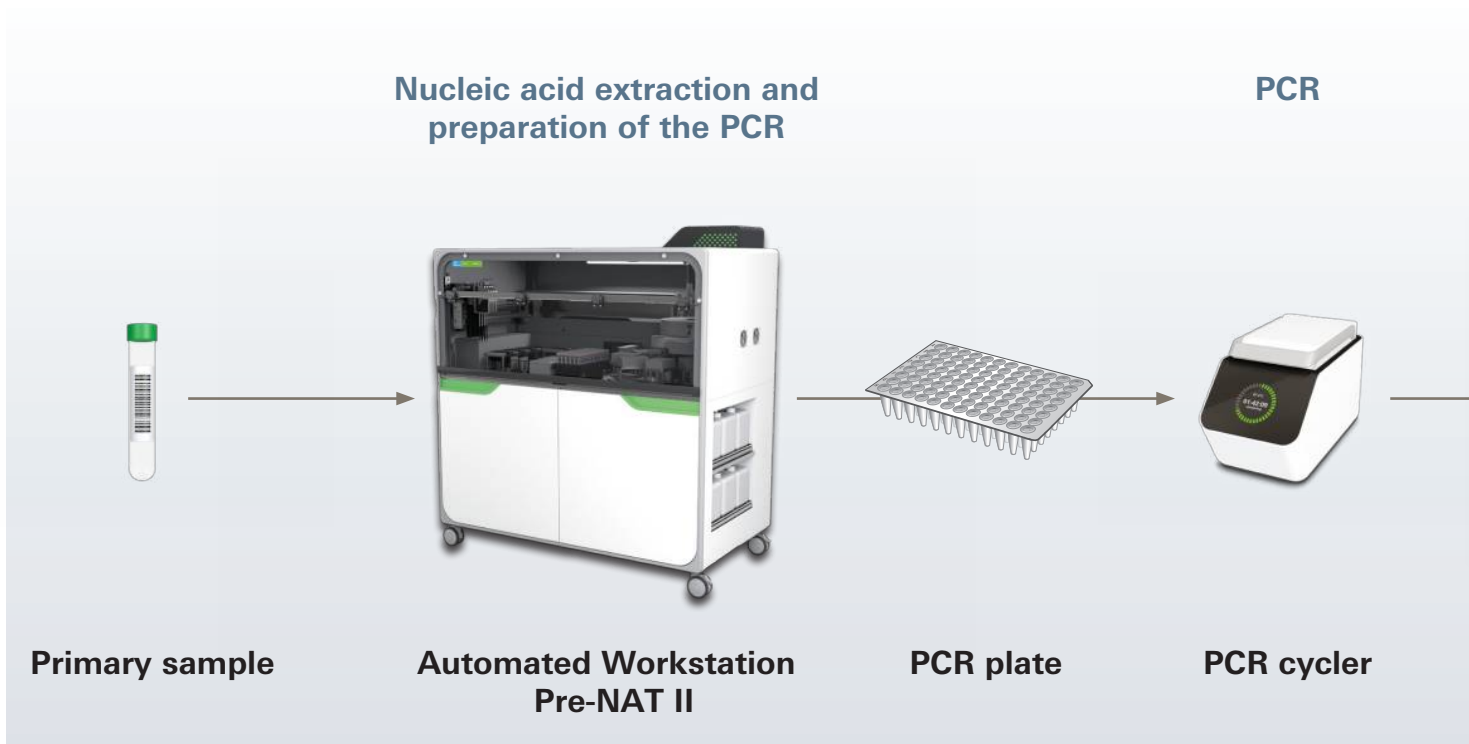


Automation solutions for EUROArray diagnostics



- Complete automation solution: from the primary sample to the final result
- CE-marked, sensitive EUROArray test systems for molecular genetic multiplex analyses: only one reaction per sample
- Excellent service from EUROIMMUN: your contact for everything from test systems to instruments and software

Workflow



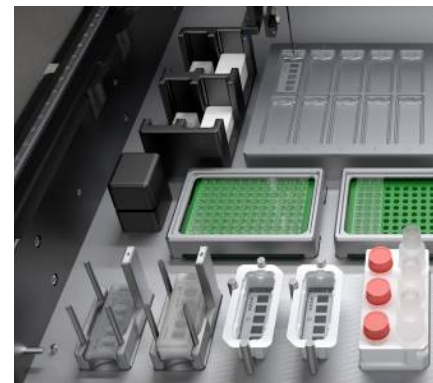
Automated Workstation Pre-NAT II: automated pre-PCR process

- **Fully automated nucleic acid extraction and pipetting of PCRs:** processing of up to 96 samples per run
- **Proven technology:** nucleic acid extraction based on magnetic particles
- **Highest safety and quality:** use of disposable filter tips for precise pipetting and resource-friendly dispensing system for extraction reagents
- **Preparation of PCR:** integrated cooling for PCR reagents and plates as well as automated preparation and aliquotting of PCR master mixes



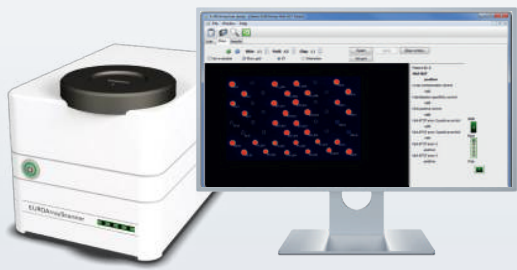
EUROArrayProcessor: automated PCR

- **Pipetting, hybridisation, washing:** processing of up to 40 EUROArray slides and 192 PCR reactions
- **Best quality of results:** standardisation of EUROArray slides based on the process
- **User-friendly:** convenient and intuitive operation with the corresponding software, including automatic run times on the computer touchscreen



Pipetting, hybridisation,
washing and drying

Data analysis and
generation of result reports



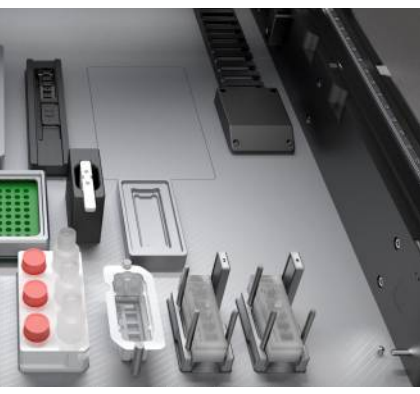
EUROArrayProcessor

EUROArray
slide

EUROArrayScanner and
EUROArrayScan

Automated post-PCR process

Washing, drying: automated processing of up to 96 PCR samples per run
Standardised and reproducible washing of slides using proven MERGITE! washing technology
Automatic operation of the instrument and real-time visualisation of all processes and results in green



EUROArrayScan system: automated result evaluation

- **Highest quality:** quick, reliable and objective evaluation of EUROArray tests, including all controls
- **Convenient and safe:** automated evaluation and data archiving as well as full traceability due to EUROArray barcode recognition
- **Quick and efficient:** fluorescence-based evaluation of one EUROArray slide in less than 30 seconds using the EUROArrayScanner
- **Interconnectivity:** secure, digital data transfer with Automated Workstation Pre-NAT II, EUROArrayProcessor and LIS

EUROIMMUN
a PerkinElmer company

Medizinische
Labordiagnostika
AG

Automatic evaluation
with the EUROArrayScan software

Partial result	Result
Cross contamination control	valid
Internal control	valid
DNA positive control	DETECTED
Hybridisation specificity control	valid
Dermatophyte (universal)	DETECTED
Trichophyton equinum	not detected
Trichophyton tonsurans	not detected
Trichophyton interdigitale	not detected
Trichophyton mentagrophytes	not detected
T. interdigitale/mentagrophytes	not detected
Trichophyton quinckeanum	not detected
Trichophyton schoenleinii	not detected
Trichophyton simii	not detected
T. quinckeanum/schoenleinii/simii	not detected

Slide 1 Field A Chip 1



Order information		
EUROArray tests	Indication	Order number
Infection parameters		
Dermatomycosis	Dermatomycoses	MN 2850-####
HPV	HPV infections, typing for cancer prevention	MN 2540-####
HSV1/2 VZV	Herpes virus infections	MN 2530-####-1*
PneuVir	Respiratory virus infections	MN 2821-####-1*
STI: STI-CT/NG	Sexually transmitted infections with <i>C. trachomatis</i> , <i>N. gonorrhoeae</i>	MN 2830-####-2*
STI-7	<i>H. ducreyi</i> , <i>M. genitalium</i> , <i>M. hominis</i> , <i>T. pallidum</i> , <i>T. vaginalis</i> , <i>U. parvum</i> , <i>U. urealyticum</i>	MN 2830-####-1*
STI-11	In addition to STI-7: <i>C. trachom.</i> , <i>N. gon.</i> , herpes simplex virus 1/2	MN 2830-####*
Human genetic parameters*		
APOE Direct	Alzheimer's disease	MN 5710-####-V
FV/FII+/MTHFR Direct: Factor V Leiden/Factor II 20210G>A/ MTHFR 677C>T/MTHFR 1298A>C Factor V Leiden/Factor II 20210G>A Factor V Leiden Factor II 20210G>A MTHFR 677C>T/MTHFR 1298A>C	Thromboses, thrombophilia, hyperhomocysteinaemia	MN 5820-####-V MN 5821-####-V MN 5822-####-V MN 5823-####-V MN 5824-####-V
Haemochromatosis (4 SNP+) Direct Haemochromatosis (2 SNP+) Direct	Haemochromatosis	MN 5520-####-V MN 5521-####-V
HLA-B27 Direct	Rheumatic diseases, e.g. Bechterew's disease	MN 5110-####-V
HLA-B57:01 Direct	Hypersensitivity to abacavir	MN 5210-####-V
HLA-Cw6 Direct	Psoriasis, psoriasis arthritis	MN 5410-####-V
HLA-DQ2/DQ8-h Direct HLA-DQ2/DQ8 Direct	Coeliac disease	MN 5320-####-V MN 5321-####-V
Lactose/Fructose Intolerance Direct Lactose Intolerance Direct Fructose Intolerance Direct	Lactose/fructose intolerance	MN 5350-####-V MN 5351-####-V MN 5352-####-V

* Not validated for processing with the Automated Workstation Pre-NAT II and the EUROArrayProcessor

Instruments and additional items	Remark	Order number
Automated Workstation Pre-NAT II	Automated sample preparation	YG 9102-0101
Pre-NAT II NA EU Kit	Extraction kit for automated sample preparation	ZM 9102-0960**
EUROArrayProcessor	Automated EUROArray processing	YG 0671-0101-1
EUROArrayScanner with EUROArrayScan software	Automated evaluation of EUROArrays	YG 0602-0101

** Validated as part of the complete system (CE-IVD marking)
If used separately: For research use only, not for in vitro diagnostics