



EUROLabWorkstation IFA

Full automation of indirect immunofluorescence



- ✓ **Fully automated processing of indirect immunofluorescence assays:**
up to 750 reaction fields per run
- ✓ **The highest throughput system on the market**
- ✓ **Automatic mounting** of slides
- ✓ **Flexible loading** of samples and reagents
- ✓ **Economical and precise pipetting** with 10 washable needles
- ✓ **Automatic identification** of patient samples, reagents, slides and dilution plates – 100% traceability
- ✓ **Convenient and intuitive operation** using the touch-screen user interface
- ✓ **Excellent service** – reagents, instruments and software from one manufacturer



Workflow optimisation

- 45 tracks for freely selectable loading with sample and reagent racks as well as dilution plates
- Slides with 10 and 50 reaction fields
- Spatial separation of liquid handling and incubation (enables parallel flows)
- Ready-for-use and barcoded reagents
- Fully automated washing and mounting of slides



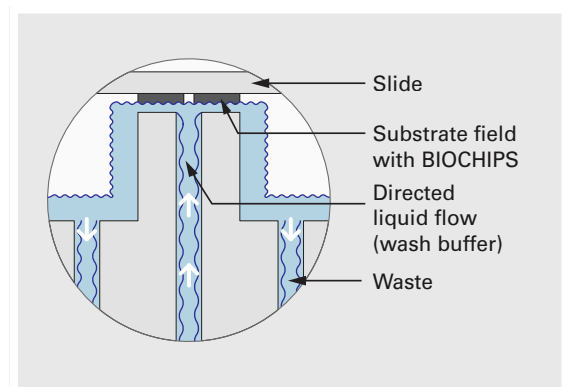
Precise and efficient pipetting

- 10 coated stainless steel needles and precision pumps for high pipetting accuracy
- Optimised pipetting efficiency due to economical routes
- Pipetting without carryover through efficient needle washing
- Secure pipetting procedure owing to liquid level detection
- Multishot function for the dispensing of reagents and samples



Innovative washing technology

- Fully automated washing of IFA slides using directed and controlled liquid flow: MERGITE! washing technology
- No cross-contamination due to separate washing of each field
- Two integrated washing units for slides with 10 and 50 reaction fields
- Integrated washing unit for cleaning of reagent trays
- Automatic dispensing of mounting medium





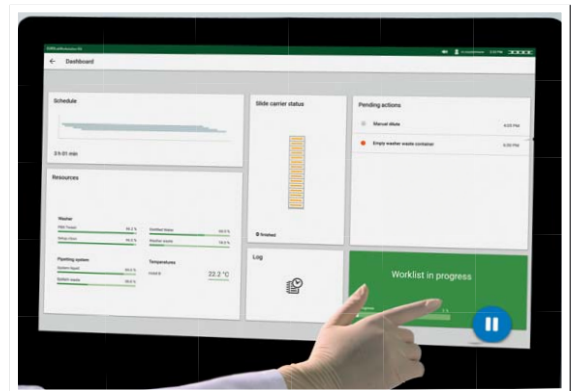
Convenient operation

- Touch-screen PC with intuitive graphic user interface
- Simple starting of user-specific worklists
- Clear display of the time flow of the current run
- Software-supported maintenance with minimum time expenditure



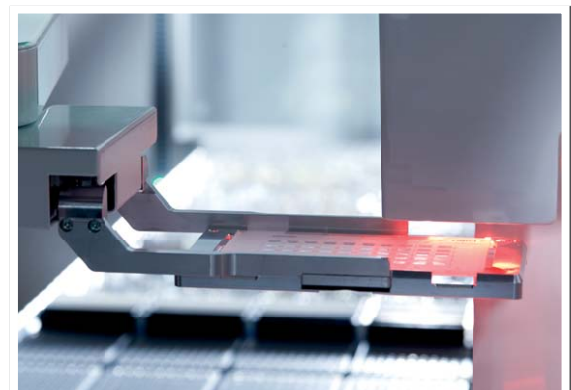
Overview of the process status

- Convenient system overview with detailed status information on run times, resources and slides
- ID-based memory function for dilution plates
- Flexible and complete use of all cavities
- Exact time information on pending actions for improved planning efficiency



Process security from A-Z

- Software access with different user accounts and rights
- Transparent traceability of all data entries and changes
- Gapless allocation of test results to the samples and reagents used
- Complete data acquisition due to integrated barcode scanner for samples, reagents, dilution plates and slides

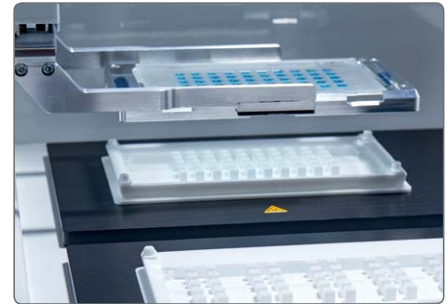




EUROLabWorkstation IFA

Unique system for full automation of IFA owing to a combination of the proven TITERPLANE Technique (standardised incubation) with MERGITE! (an innovative technology for washing in IFA) and automatic mounting of slides.

The EUROLabWorkstation IFA is designed for middle-sized and large laboratories due to its capacity and sample throughput.



System

Number of patient samples	>700
Sample material.....	serum, plasma and CSF
Slides	up to 750 reaction fields (combination of slides with 10 and 50 reaction fields possible)
Size of sample tubes	outer diameter 10–16 mm, height up to 100 mm
Throughput.....	>200 analyses per hour
Barcode recognition	automated registration of samples, reagents, dilution plates, slides, reagent trays and cover glass holders

Pipetting unit

Pipettor	liquid pipettes with 10 washable stainless steel needles
Pipetting volume.....	5–1100 µL in 1-µL steps
Precision	CV <10% at 10 µl, CV <1% at 100 µl, CV <1% at 1000 µL
Liquid level detection	continuous control in system liquid and waste containers

Robotic platform

Slide washing unit.....	one each for slides with 10 and 50 reaction fields
Reagent tray washing unit.....	5 dispensing needles and 11 aspiration needles
Mounting medium.....	automated dispensing via reagent tray washing unit
Liquid level warning.....	continuous control in wash buffer and waste containers

Features

Operating system	Microsoft Windows 10 LTSC, PC with touch-screen
Bidirect. communication	ASTM via EUROLabOffice
Languages	English, German
Electrical data.....	100–240 V, 50/60 Hz, 800 VA
Dimensions/weight	2920 x 811 x 859 mm (WxDxH) / approx. 450 kg