



HELMED® IFA

ADAPTS TO YOUR LAB NEEDS

Open format

The **HELMED®** supports slides from different manufacturers, no matter the thickness, number of wells, or format.

High throughput

The **HELMED®** processes up to 190 samples or up to 20 slides and up to 4 different tests in one single run.

Improved traceability

Automated detection and scanning of sample tube ID's. Reduces labor and errors-equivocal results by automating all IFA processing steps.

Flexible protocol programming

The **HELMED®** allows the user to define conjugate/counterstain or multi-step reagent addition immediately after a specific well is washed.



Compact footprint

Width 65 cm • Height 57 cm
Depth 75 cm • Weight 28,5 kg

190 REASONS TO AUTOMATE YOUR WORKFLOW

Small size – high throughput

Despite its small footprint, **HELMED®** is able to process up to 190 different samples in one single run.

Open format

HELMED® supports slides from different manufacturers independently of thickness, well number, or format.

4x4 format – more slides and tests

Up to 20 slides from 4 different tests with 4 different substrates can be processed in just one run.

Screening and titration with just one worklist

HELMED® allows dilution ratios from 1:1 to 1:10240 in 192 available dilution positions. One step dilution ratios range from 1:1 to 1:160; greater dilutions are performed in two steps.

720 tests per square meter

Flexible protocol programming

The multi-step programmable software allows the user to define conjugate/counterstain or multi-step reagent addition immediately after a specific well is washed (not having to wait for the whole slide to be washed).

Unparalleled reproducibility

The total sample and reagent volume is dispensed across multiple pre-set points to provide optimal sample and reagent distribution. This is especially important for tissue sections and large format wells. The wash-by-cycle system avoids cross-contamination.

TECHNICAL SPECIFICATIONS FOR IFA PROCESSING

Sample capacity	IFA: up to 190 samples, with or without barcodes
Sample identification	Built-in multi-type barcode reader for sample detection and identification
IFA slide capacity	Up to 20 slides
IFA test capacity	Up to 4 different tests with 4 different substrates and 4 different conjugates per run
Samples & reagents support	Customized multi-format extractable racks
Slide support	26.1 x 76.1 mm (25 mm and 26 mm slide thickness within the same run)
Standard sample rack tube size	75 x 13 mm diameter tubes, other sizes upon request



Semi-automated and programmable IFA steps

- Sample dilutions are prepared on a microtiter plate, no pre-dilution tubes required.
- Automatic transfers from the microtiter plate to the slides.
- Individual-well time management ensures consistent incubation times.
- Washing by cycles – avoids cross contamination from washing by flooding. Needle height, dispensing speed and cycles can be flexibly adjusted to achieve an automated, consistent and gentle wash.
- Counterstain addition is managed with precise incubation times.
- Automatic mounting medium addition is possible only with our specially formulated **AESKUSLIDES®** mounting medium.



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Ref No.	Product Name	Description
DEVICE		
REF.HEL-1000	HEL MED® IFA Processor Kit	HEL MED® IFA Processor, Standard sample and reagent racks, IFA Processing software, Starter kit, Wash bottles, Waste bottle, Power cable, USB cable, Instruction and Service manual, Cleaning wire
SOFTWARE		
REF.HEL-3610	IFA Software	IFA Processing software